

ERIC User Manual



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1 Introduction

1.1 Document Version Control

The following table contains the revision history of this document:

Version	Date	Author	Modifications Made
1.0	07/30/07	ENVIRON	Drafted Initial Design
2.0	03/22/12	ENVIRON/LDEQ	Updated User's Manual
2.1	01/09/13	ENVIRON/LDEQ	Updated manual and added detailed validations table
2.2	04/23/13	LDEQ	Updated guidance in Sections 2.5, 3.10, 5.3, 5.4, 5.8, 5.9, 5.10, 6.9.2, & Appendix A
2.3	10/2/2013	LDEQ	Updated screen shots, login procedures, and text throughout the document to address the move to the new LDEQ business platform.

1.2 Document Organization

This user manual is divided into 6 sections. The content of these sections is as follows:

[Section 1](#) – *Introduction*

Contains the document version control history and definition of regulatory terms.

[Section 2](#) – *What is ERIC?*

Provides a general description of the LDEQ web portal and instructions for gaining access to ERIC.

[Section 3](#) – *Emissions Inventories*

Illustrates the process of starting, revising, downloading, and uploading inventories in ERIC.

[Section 4](#) – *Data Entry in ERIC*

Describes the various methods for entering data in ERIC, and provides details on how various types of equipment should be represented in ERIC.

[Section 5](#) – *Detailed Listing of Data Elements*

Lays out the specific data elements for each component of the ERIC inventory, providing field requirements, valid values, and validation rules.

[Section 6](#) – *Specific Reporting Instructions*

Lists specific reporting guidance issued by LDEQ and gives helpful hints on interacting with the ERIC system.

1.3 LDEQ Contact Information

For assistance with using the ERIC system, you may contact the LDEQ staff assigned to your AI's parish. A list of ERIC Staff Assignments is available on the ERIC website:

ERIC Resources ■ Public Reports Page will be turned on

Reporting Year 2011 System Update Guidance - Updated 1/10/2012

Finding Tools to Update Release Point Coordinates - Updated 2/9/2012

ERIC Frequently Asked Questions Document - Updated 04/25/11

Release Point Orientation Guidance - Updated 2/17/11

SCCs requiring Heat Content - Updated 8/24/11

ERIC Staff Assignments - 12/01/11

Before logging in to the system, we strongly encourage you to check out the Resources section and carefully read the latest guidance document titled "Reporting Year 2011 System Update Guidance".

2011 Reporting Year Resources

Reporting Year 2011 ERIC User Training Presentation (Added 2/8/2012)

The reporting deadline has been permanently changed to April 30 per LAC 33:III.919.F.1.c and LAC 33:III.5107.A.1.

[Click Here for Prior Year Reporting Resources](#)

About the Emissions Inventory Program

The Emissions Inventory Unit of the Air Permits Division is responsible for developing comprehensive criteria and toxic pollutant emissions inventories for the State of Louisiana. The emissions data are used for a variety of planning, regulatory and reporting purposes. The staff works closely with the regulated community, trade groups, and other state and federal agencies to develop and maintain high quality and current emissions data.

Regulated point sources of criteria air pollutants must submit an inventory of annual criteria pollutant emissions pursuant to the requirements of LAC 33:III.919. Detailed annual emissions data are maintained on nearly 1200 point sources going back to 1984, with the number of point sources changing each year.

In 2007, historical emissions data was migrated into a new web-based reporting system called ERIC - Emissions Reporting & Inventory Center.

Always make sure that you include your AI number and owner name in your email or have it handy when calling.

The mailing address for the Emissions Inventory Section is:

DEQ - Air Permits Division
Emissions Inventory Section
PO Box 4313
Baton Rouge, LA 70821-4313

For delivery ONLY:

DEQ - Air Permits Division
Emissions Inventory Section
602 N Fifth Street
Baton Rouge, LA 70802

If you need to update information in TEMPO, information on the Facility Information tab, or information on the Contacts tab, then send an email to facupdate@la.gov and include the AI number and owner name.

1.4 Definitions

The terms marked with an asterisk (*) are defined at LAC 33:III.919.E. Definitions, as used in this manual, apply to emissions inventories submitted pursuant to LAC 33:III.919 and LAC 33:III.5107, and where there is a discrepancy between these definitions and those in the regulations, the definitions provided in this manual do not supersede or replace the definitions provided in the regulations.

*Actual Emissions**—a calculation, measurement, or estimate, in accordance with Subsection G of this LAC 33:III.919, of the amount of a pollutant actually emitted during a calendar year or other period of time.

Administrator—a user role within the ERIC system that is the same as the Manager role with the addition of access to the User Administration functions.

*Agency Interest (AI)**—any entity that is being regulated or is of interest to the department. Conceptually, an *agency interest* can be a site, facility, mobile source, area source, a person, or an organization.

*Attainment Area**—an area of the state that is not listed as a nonattainment area by the U.S. Environmental Protection Agency.

*Certified**—the status of an emissions inventory once the department has received both the emissions inventory and the certification statement required by LAC 33:III.919.

*Contiguous Facilities**—facilities under common control separated by 0.25 miles or less.

*Control Efficiency**—the percentage by which a control system or technique reduces the emissions from a source.

*Control System**—a combination of one or more capture system(s) and control device(s) working in concert to reduce discharges of pollutants to the ambient air.

Data Elements Group—Groupings of data elements within an ERIC inventory used to organize the ERIC data into logical subgroups. For example, all data elements pertaining to emission sources are grouped into the Sources data element group.

Editing status—an inventory in ERIC that has been started but not submitted to LDEQ.

*Emissions Factor**—the ratio relating emissions of a specific pollutant to an activity or material throughput level.

ERIC Account—an account within LDEQ's online emissions inventory reporting system, ERIC, represented by an AI and an owner and is not the same as a portal account.

ERIC Account Home page—the location of an ERIC account's emission inventories.

ERIC Home page—<http://www.deq.louisiana.gov/ERIC>—the home page on the internet for ERIC and LDEQ's Emissions Inventory operations. It contains reporting guidance documents, general information, and access to ERIC.

*Facility**—all emissions sources from *stationary point sources*, as defined in LAC 33:III.605, under common control on contiguous property.

[NOTE: A facility can be one or more AIs, and each AI must comply individually with Subsection C of LAC 33:III.919.]

*Flash Gas Emissions**—emissions from depressurization of crude oil or condensate when it is transferred from a higher pressure to a lower pressure tank, reservoir, or other type of container.

*Fugitive Emissions**—emissions that do not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

Manager –a user role within ERIC that provides editing privileges to an ERIC account.

*Mobile Source**—a motor vehicle, nonroad engine, or nonroad vehicle where:

- a. a *motor vehicle* is any self-propelled vehicle used to carry people or property on a street or highway;
- b. a *nonroad engine* is an internal combustion engine (including the fuel system) that is not used in a motor vehicle or a vehicle used solely for competition, and that is not affected by Sections 111 or 202 of the CAA; and
- c. a *nonroad vehicle* is a vehicle that is run by a nonroad engine and is not a motor vehicle or a vehicle used solely for competition.

*National Ambient Air Quality Standard (NAAQS)**—a standard established in accordance with Section 109 of the CAA, including but not limited to, standards for carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO₂), ozone, particulate matter (PM_{2.5} and PM₁₀), and sulfur dioxide (SO₂).

*Nonattainment Area**—an area (parish or group of parishes) that has been declared by the administrative authority to be not in compliance with a federal national ambient air quality standard and that is listed in the *Federal Register* as a *nonattainment area*.

Nonpoint Sources (previously known as area sources)*—collectively represent individual sources that have not been inventoried as specific point or mobile sources. These individual sources treated collectively as *nonpoint sources* are typically too small, numerous, or difficult to inventory using the methods for the other classes of sources.

*Ozone Season**—except as provided in LAC 33:III.2202, the period from May 1 to September 30, inclusively, of each year.

Portal Account –is a passkey to allow passage of certain restricted content to LDEQ via the website. A portal account belongs to a specific individual and is not the same as an ERIC account.

*Process**—an operation or function by a source that produces emissions, characterized by a Source Classification Code (SCC).

Pre-registration code –A unique code generated by LDEQ used to gain Administrator access to an ERIC account. Not the same as the verification code used in activating a portal account.

Reader –a user role within ERIC that provides read-only access to an ERIC account.

*Release Point**—the point where emissions from one or more processes are released into the atmosphere.

*Reporting Period**—the time frame during the reporting year for which emissions are being reported.

*Reporting Year**—the year for which an emissions inventory is being submitted.

Responsible Official – a user role within ERIC that provides all of the privileges of the Manager role, plus the ability to certify an inventory online, when available. Also defined in LAC 33:III.502.A.

Revised status—an inventory that has been revised and is superseded by a newer inventory for that reporting year.

*Routine Operations**—operations, not including any start-up/shutdown emissions, that are authorized and/or permitted by the department.

*Source**—the point at which the emissions are generated, typically a piece of, or a closely related set of, equipment.

Submitted status –an inventory that has passed all validations in ERIC and is ready for certification.

Uploading status –an inventory that is in the process of being uploaded to ERIC.

Verification code –a unique code generated by LDEQ used to activate an LDEQ portal account. Not the same as the pre-registration code used in gaining Administrator access to an ERIC account.

**These are terms that are also defined in LAC 33:III.919*

1.5 Acronyms

AI	Agency Interest
CAA	Clean Air Act
CO	Carbon Monoxide
CROMERR	Cross Media Reporting Rule
EI	Emissions Inventory
EIQ	Emissions Inventory Questionnaire
EIS	Emissions Inventory System
ERIC	Emissions Reporting and Inventory Center
GCXVII	General Condition XVII
HAP	Hazardous Air Pollutant
HRVOC	Highly Reactive Volatile Organic Compound
IA	Insignificant Activities
LAC	Louisiana Administrative Code
LDEQ	Louisiana Department of Environmental Quality
NAAQS	National Ambient Air Quality Standard
NAD83	North American Datum of 1983
NAICS	North American Industry Classification System
NEI	National Emissions Inventory
NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Oxides of Nitrogen
ORIS	Office of Regulatory Information System
Pb	Lead
PM ₁₀	Particulate Matter averaging 10 microns in diameter or less
PM _{2.5}	Particulate Matter averaging 2.5 microns in diameter or less

SCC	Source Classification Code
SI	Subject Item
SIC	Standard Industrial Classifications
SO ₂	Sulfur Dioxide
TAP	Toxic Air Pollutant
TEDI	Toxic Emissions Data Inventory
TEMPO	Tools for Environmental Management and Protection Organizations
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compound

2 What is ERIC?

Emissions Reporting and Inventory Center, or ERIC, is a web-based application that Agency Interests (AIs) must use to submit their annual criteria pollutant and/or toxic air pollutant (TAP) emissions inventories to the Louisiana Department of Environmental (LDEQ) as required under LAC 33:III.919 and LAC 33:III.5107. This manual contains information and instructions on using the LDEQ web portal to develop, edit, and submit emission inventories.

ERIC offers users the ability to create, edit, and submit emissions inventories online using simple data entry forms. Users may also choose to download their entire inventory to a Microsoft Excel workbook where they can enter and edit inventory data offline and later upload the data to ERIC. During the inventory creation and editing process, and once again when an inventory is complete, ERIC performs an online validation process that checks the inventory for data omissions and/or data entry errors. Once the inventory passes all of the required validation checks, the user will then be able to submit the data to LDEQ directly through ERIC. At present, the Certification Statement (available through ERIC after the inventory data is submitted) must be printed, certified by the Responsible Official, and sent to LDEQ (see [Section 1.3](#)). In the future, online electronic certification through ERIC may be possible.

Imagine that ERIC works the same as online banking. You need a user name and password with the bank's website and then you need to associate your savings, checking, and credit card accounts with that user name and password. Once your online accounts are setup, you only need to login with one user name and password in order to get to your savings, checking, and credit card accounts. The LDEQ business web portal operates in the same manner. With a single login, you can have access to electronic payments, application and report submittals, as well as ERIC.

In October 2013, ERIC was moved to LDEQ's business web portal. For security reasons, existing portal accounts could not be automatically transferred to the new business web portal. Existing portal users must sign up for a new account on the business web portal – for existing ERIC users, a process was developed to automatically transfer your ERIC access privileges to your new business web portal account. **Existing ERIC users please refer to Section 2.9 for instructions on transferring your ERIC account privileges.** New ERIC users should follow the procedures provided below.

Below are the basic steps to getting started with ERIC:

1. Get a portal account (user name and password). Portal accounts give you access to LDEQ's online services, one of which is ERIC. Each person wishing to conduct online business with LDEQ needs to have their own portal account. Just like you not wanting to share your bank access with someone else, you should also keep your portal account information safe. Each person only needs one portal account. Portal Accounts are covered in [Section 2.2](#) of this document.
2. Get the ERIC account established by contacting LDEQ. ERIC accounts are specific to an AI number and owner, and LDEQ sets up the ERIC accounts. Contact LDEQ (see [Section 1.3](#)) to find out if your AI number and owner have an ERIC account. This is similar to calling the bank to find out if you can access a particular account online. ERIC accounts are covered in [Section 2.3](#) of this document.
3. Get your portal account access to the ERIC account. This is the process that connects your portal account to the specific Agency Interests information contained in the ERIC system, and determines the activities that you may conduct within ERIC. This is accomplished one of two ways.
 - a. Use an LDEQ issued pre-registration code to establish the user of the pre-registration code as the Account Administrator. Pre-registration codes are covered in [Section 2.4](#) of this document.
 - b. Request access to the ERIC account. Once an Account Administrator is established for a particular Agency Interest, **all** user access is managed by the Account Administrator at the facility, and not by LDEQ. Contact LDEQ (see [Section 1.3](#)) if you need to know if there is an

Account Administrator and/or who the Account Administrator is. [Section 2.5](#) covers requesting access to an ERIC Account.

4. Start your inventories.
5. Complete the inventory.
6. Run the final validations until all errors are resolved.
7. Submit the inventory.
8. Print, sign, and send the certification statement for each reporting year with an original, wet ink signature to LDEQ by April 30. LDEQ strongly recommends that you have proof of mailing.

2.1 Getting Started

ERIC is available through the LDEQ web portal at the ERIC home page <http://www.deq.louisiana.gov/eric>:



ERIC can be accessed using any modern web browser such as Microsoft Internet Explorer (version 8 or higher), Google Chrome (version 16 or higher) or Mozilla Firefox (version 4 or higher). ERIC does not make use of any browser plug-ins, so no additional software installations are required to access the application. However, ERIC may make limited use of cookies for session tracking and pop-up windows. If your browser is set for a high level of security, or if you have third-party pop-up blockers installed and ERIC is not responding properly, you will need to disable your third-party blockers (or add the LDEQ portal to your list of excluded sites) and set your browser security to medium for the LDEQ portal site. Due to the number and variety of browser versions and third-party blocker tools in the marketplace, instructions for all of them cannot be listed here. Please contact your IT support

resources or consult your browser documentation for instructions on setting security levels and excluding specific web sites from any third-party blockers you may have installed.

To access your AI's data, you must first register for a portal account. Your portal account is not specific to ERIC – it gives you access to various current and future planned online services on the LDEQ business web portal site. Once you have an active portal account, you can gain access to your ERIC account either by using a pre-registration code issued to you by LDEQ, or by requesting access through the ERIC Account Administrator. Instructions for these methods are provided below.

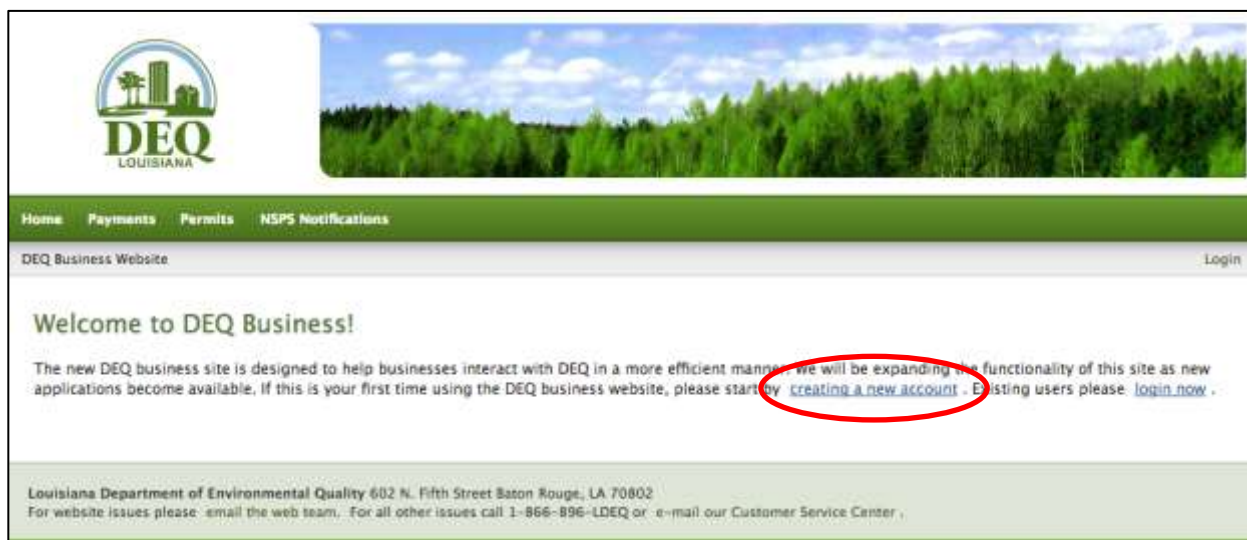
2.2 LDEQ Business Web Portal Accounts

LDEQ Business Web Portal accounts are different from ERIC accounts. A portal account belongs to a specific individual, and is your passkey to allow passage of certain restricted content to LDEQ via the website. A portal account is required to gain access to an ERIC account. LDEQ strongly discourages the sharing of portal accounts among several users (for example, several consultants within one firm using the same portal account). Each person wishing to gain access to an ERIC account should have their own portal account. However, if several users do share a single portal account, you are strongly encouraged to implement appropriate security measures to ensure that only the appropriate people have access to the account information. For example, you should ensure that whenever staff leaves your company their access to the portal account is withdrawn.

Portal Accounts are not necessary to access the ERIC Public Reports Page.

To sign up for a portal account, follow these steps:

1. First, point your web browser to the Business Web Portal home page:
<http://business.deq.louisiana.gov>
2. Click on the “creating a new account” link:



3. You will see the following screen. Complete the registration form shown below to create your LDEQ portal account. You must provide all of the data shown on the form, including a valid email address to which you have access.
 - a. Username is what you will login to your portal account with.
 - b. You must provide a valid INDIVIDUAL email address. Portal accounts may not be shared among multiple individuals within a company.
 - c. Be sure to enter your real first and last names. If you forget your user name, LDEQ can retrieve it for you by first and last names. You should not use the company name as your first and/or last name.
 - d. Passwords must be at least 7 characters long.
 - e. If you are having trouble creating your new account, click the “let us know” link for help.

Register for an Account

* indicates a required field.

Please note that for security reasons you will need to create a new account here. This account will be different from the one you used to login to the main DEQ website. Your old account will soon be phased out in favor of this new account.

* Username

Use only letters, numbers and/or underscores.

* Password

* Confirm password

* E-Mail

* Confirm e-mail

* First Name

* Last Name

* Company

* Title

* Address

* City

* State

-- Select State --

* Zip

* Phone number:

Phone number (alt):

Create Account


Why Register?

Registering for an account at DEQ allows you access to many online services we provide. You can create one account to log into many of our programs online.

If you are having trouble registering a new account, please [let us know](#).

Are You a DEQ Employee?

If so, you already have a login! Just use your DEQ system account to [login now](#).



This is a Secure Site

DEQ uses an industry standard 128 bit SSL certificate to ensure your information is kept secure and private.

Revision 2.3
Last Updated on 10/01/2013

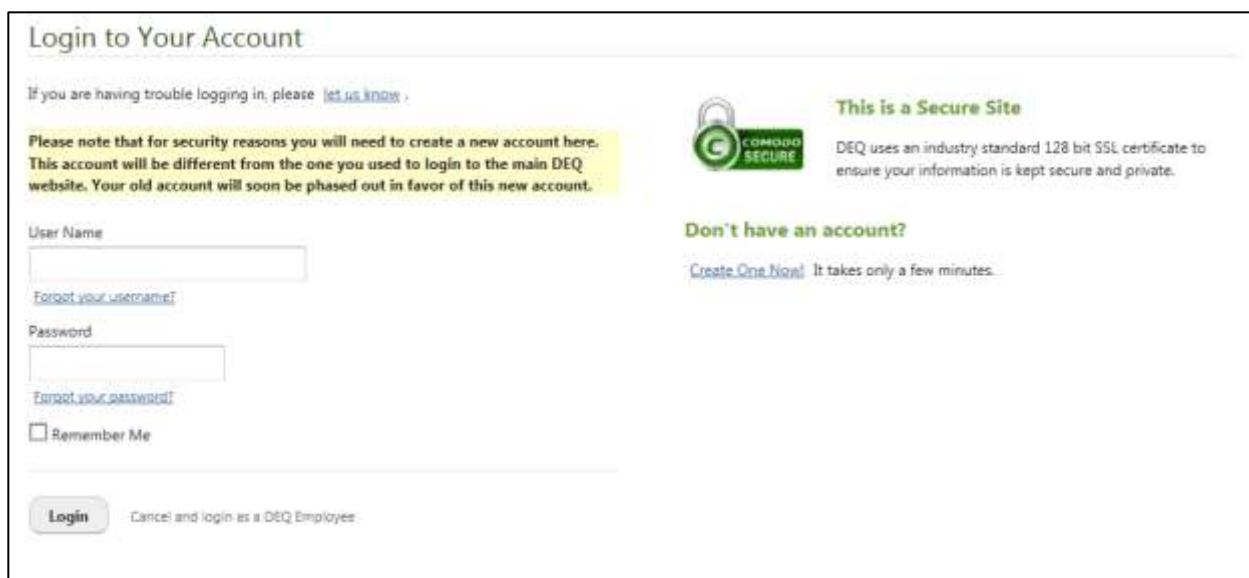
Page 11

4. The Business Web Portal will give you a confirmation message and you can then log in using your new account username and password:



A screenshot of the Business Web Portal login page. At the top, a green banner displays the message: "Your account was successfully created! You may now log in." Below this, the heading "Login to Your Account" is centered. Two buttons are presented: "I am a DEQ Employee" and "I am NOT a DEQ Employee". To the right, a "COMODO SECURE" lock icon is shown next to the text "This is a Secure Site" and a paragraph stating: "DEQ uses an industry standard 128 bit SSL certificate to ensure your information is kept secure and private." At the bottom left, a link reads: "If you are having trouble logging in, please [let us know](#)."

5. Click the "I am NOT a DEQ Employee" button then enter your username and password:



A screenshot of the Business Web Portal login page with the "I am NOT a DEQ Employee" button selected. The heading "Login to Your Account" is at the top. A link reads: "If you are having trouble logging in, please [let us know](#)." A yellow highlighted box contains the text: "Please note that for security reasons you will need to create a new account here. This account will be different from the one you used to login to the main DEQ website. Your old account will soon be phased out in favor of this new account." Below this, there are input fields for "User Name" and "Password", each with a "Forgot your [username/password]?" link. A "Remember Me" checkbox is also present. On the right, the "COMODO SECURE" lock icon and "This is a Secure Site" text are shown, along with a paragraph about the SSL certificate. Below that, the text "Don't have an account?" is followed by a link "Create One Now!" and the text "It takes only a few minutes." At the bottom left, a "Login" button is shown next to the text "Cancel and login as a DEQ Employee."

6. After successfully logging in to the Business Web Portal, click the ERIC link in the main menu to access ERIC:



2.3 ERIC Accounts

An ERIC account represents a specific AI and owner company. Each AI required to report annual emissions per LAC 33:III.919 or LAC 33:III.5107 is issued an ERIC account for the current owner. Prior owners (or new owners when an AI changes ownership) will be issued their own ERIC account for that AI. The ERIC account is the home for both criteria pollutant and/or toxics emissions inventories for that AI and owner company.

The AI name on ERIC accounts is pulled dynamically from TEMPO and in real time. When a change is made to TEMPO, the AI name on the ERIC account will immediately reflect that change.

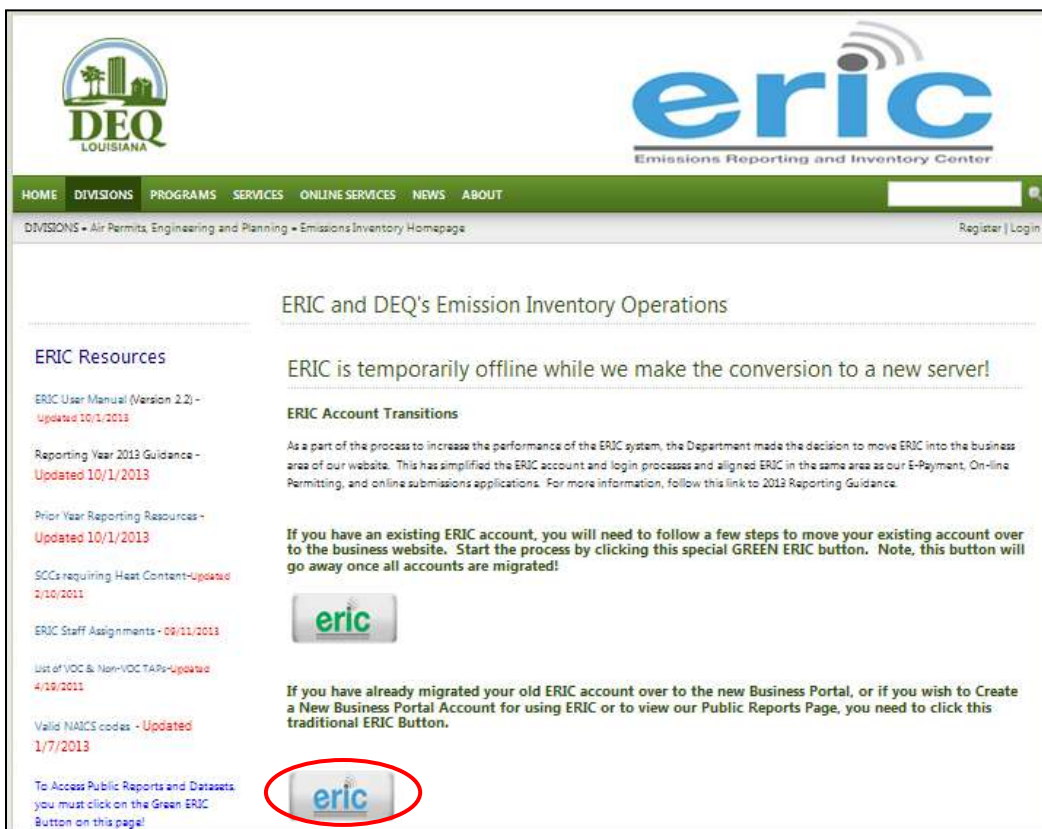
Portal accounts are granted access to ERIC accounts by either using an LDEQ issued pre-registration code, or by the ERIC Account Administrator. As new accounts to the ERIC database are added, a pre-registration code will be provided to the EI contact at the AI/owner company for initial access as the ERIC Account Administrator. The process for using a pre-registration code is described in [Section 2.4](#).

If you are a facility (an AI) required to report but you do not have access to your ERIC account, you should contact LDEQ (see [Section 1.3](#)) to request a pre-registration code for your ERIC account. If your AI number is not available in ERIC for your owner company, call or send an email to the staff member assigned to your parish and ask that an ERIC account be created for your AI number and owner company. Make sure that you include your contact information for the EI contact, the AI number, Owner Name, and email address so that LDEQ can send the account's pre-registration code. LDEQ will send the pre-registration codes to EI contacts at the AI/owner company only and not to consultants or other contacts. Once a pre-registration code has been used, it is no longer a valid code.

Once initial access is granted and the ERIC Account Administrator is established using the pre-registration code, access to an ERIC account may be granted to additional portal accounts by the ERIC Account Administrator. This process is also described in more detail in [Section 2.5](#) and [Section 2.7](#). You should remember that after the ERIC Account Administrator is identified using the LDEQ supplied pre-registration code, all future user access for the ERIC account will be managed by the ERIC Account Administrator, not by LDEQ.

2.4 Using a Pre-registration Code to Access Your ERIC Account

1. Navigate to the ERIC home page:
<http://www.deq.louisiana.gov/eric>
2. Click on the ERIC link to open ERIC in the Business Web Portal:

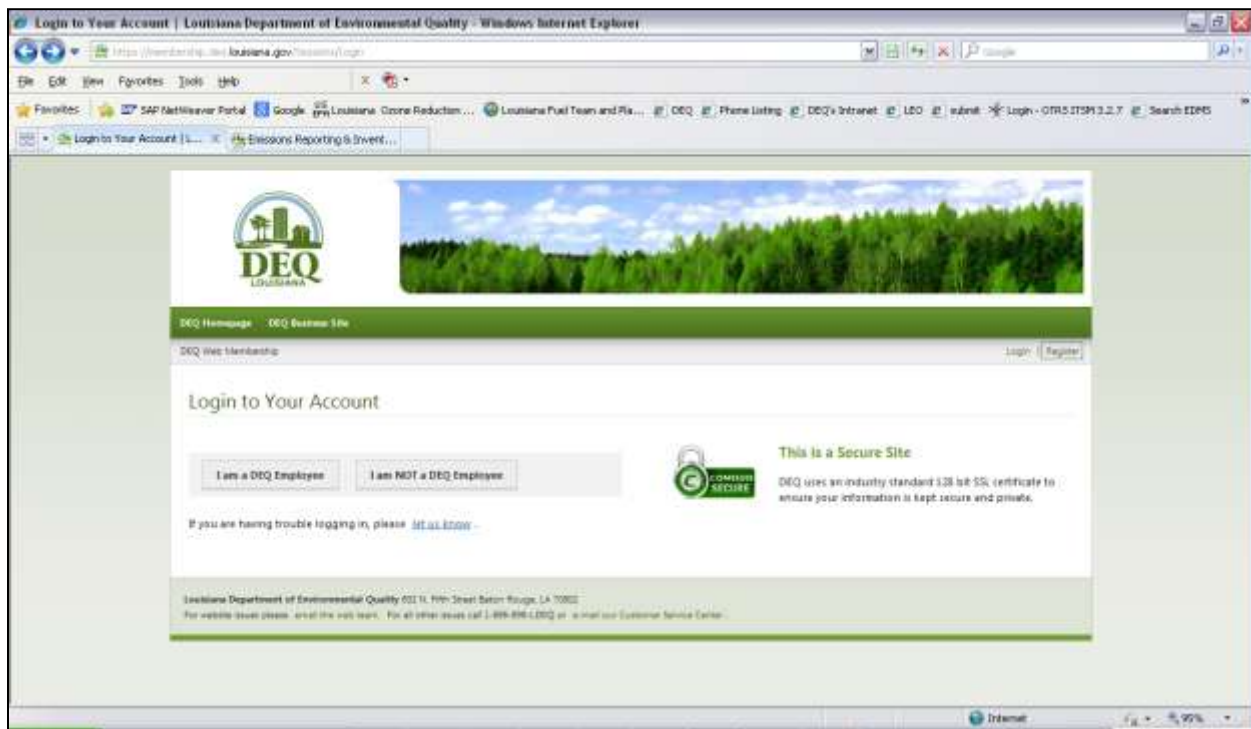


3. If you are not already logged in to your portal account, click the Login button at the top right of the page. You will be prompted for your portal user name and password:



Louisiana Department of Environmental Quality – Emissions Inventory ERIC User Manual

- Click the “I am NOT a DEQ Employee” button then enter your username and password:



Login to Your Account

If you are having trouble logging in, please [let us know](#).

Please note that for security reasons you will need to create a new account here. This account will be different from the one you used to login to the main DEQ website. Your old account will soon be phased out in favor of this new account.

User Name

[Forgot your username?](#)

Password

[Forgot your password?](#)

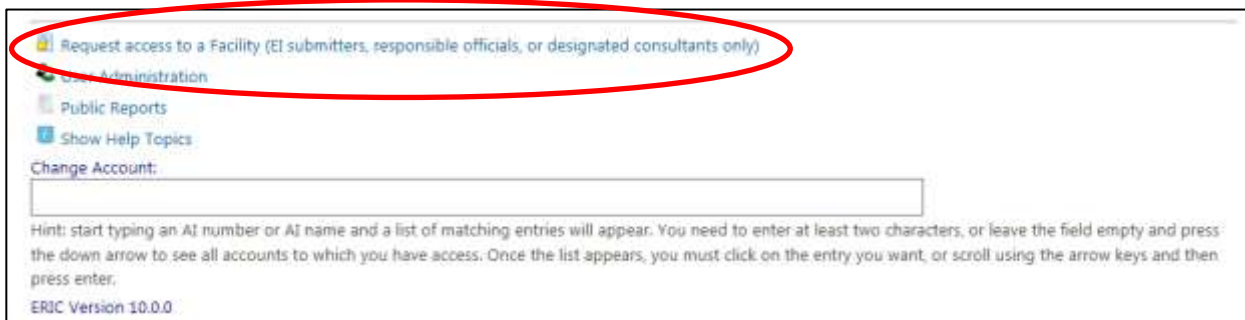
☐ Remember Me

[Cancel and login as a DEQ Employee](#)

This is a Secure Site
COMODO SECURE
DEQ uses an industry standard 128 bit SSL certificate to ensure your information is kept secure and private.

Don't have an account?
[Create One Now!](#) It takes only a few minutes.

5. At the bottom of the ERIC home page, you will find a link to request access to a facility. Click on the link:



The screenshot shows the ERIC home page with a sidebar on the left. The sidebar contains links for 'Request access to a Facility (EI submitters, responsible officials, or designated consultants only)', 'User Administration', 'Public Reports', and 'Show Help Topics'. The 'Request access to a Facility' link is circled in red. Below the sidebar is a 'Change Account:' section with a text input field and a hint: 'Hint: start typing an AI number or AI name and a list of matching entries will appear. You need to enter at least two characters, or leave the field empty and press the down arrow to see all accounts to which you have access. Once the list appears, you must click on the entry you want, or scroll using the arrow keys and then press enter.' The version 'ERIC Version 10.0.0' is displayed at the bottom.

6. You will see the Request Access page with two options for requesting access. Select the option labeled *I have received a pre-registration code in the mail*:



The screenshot shows the 'Request Access' page in the 'Emissions Reporting and Inventory Center'. The page title is 'Request Access'. Below the title is a description: 'Use this form to request access to a facility for Emissions Inventory reporting purposes.' There are two radio button options: 'I am an employee of the facility owner, or a designated consultant' and 'I have received a pre-registration code in the mail'. The second option is selected. Below the selected option are two text input fields: 'Please enter the AI Number for which you are preregistered:' and 'Please enter your preregistration code:'. At the bottom of the form are 'Submit' and 'Cancel' buttons.

7. Enter your AI number and your pre-registration code and then press submit. If you entered the correct AI number and pre-registration code, your account will be activated and you will be granted Administrator rights to your account.
8. You will need to logout and then log back in for your access permissions to be applied.

Once you have completed this process, your portal account is registered as the ERIC Account Administrator. You now have full rights for the selected ERIC account, including creating, editing, and submitting inventories, as well as granting or rejecting access requests from other portal users.

2.5 Requesting Access to an ERIC Account

If you need access to an ERIC account, you can request access from the ERIC Account Administrator, who decides whether or not to grant or reject the request and, if granted, what level of access you will have. For example, you may be another staff member at the AI working on preparing the emissions inventory, or you may be a consultant hired to assist in the inventory preparation.

Use the following process to request access to an ERIC account:

1. Navigate to the ERIC home page and log in to the portal (see steps 1 through 4, above in [Section 2.4](#)).
2. From the ERIC home page, click the ERIC logo to access ERIC (see step 5 above in [Section 2.4](#)).

3. At the bottom of the page, use the link to *Request Access to a Facility* (see step 6 above in [Section 2.4](#)).
4. You will be presented with two options for requesting access. Select the option labeled *I am an employee of the facility owner, or a designated consultant*:

Emissions Reporting and Inventory Center

Request Access

Use this form to request access to a facility for Emissions Inventory reporting purposes.

☒ I am an employee of the facility owner, or a designated consultant

Please enter the Agency Interest number(s) you need access to:

You can request access to more than one AI at a time - just type in the values separated by commas.

The following information will accompany your request. By making this request, you agree to allow this information to be shared with the account manager(s) for the Agency Interest Number to which you are requesting access.

First Name:	John
Last Name:	Haasbeek
Email:	john@haasbeek.com

☐ I have received a preregistration code in the mail

5. You are prompted to enter the AI numbers you want to access (use a comma separated list if you are requesting access to more than one account). You are also notified that your portal account information (name and email address) will be made available to the Administrator of the account(s) to which you are requesting access.
6. Click the *Submit* button to continue.
7. The ERIC system will display the AI numbers to which you have requested access and the owners of the ERIC accounts for those AIs. Confirm that the owner for the ERIC account is the correct owner to which you want your request to go to. Make sure you select the correct owner organization for AIs that have more than one account, then click *Confirm* to submit the request:

Emissions Reporting and Inventory Center

Access Request Details

You have requested access to the following Agency Interest Numbers:

AI Number	AI Name	Owner
90172	East Lake Verret Facility	<div>Choose One...</div>
90179	Leleux Central Production Facility	<div>Rozel Operating Co</div> <div>Meridian Resources (USA) Inc</div>

8. Your request will be added to the user administration screen for the account(s) you have requested.

Once you have made the access request, you should contact the ERIC Account Administrator to let them know you have requested access to their account. **For security reasons, the system does not generate an automatic email to the ERIC Account Administrator nor does it notify the requestor if access has been granted or denied. If you do not know who the ERIC Account Administrator is, contact LDEQ (see [Section 1.3](#)) with the AI number and owner name and request the name and/or email of the ERIC Account Administrator. If the ERIC Account Administrator is no longer associated with the AI, contact LDEQ (see [Section 1.3](#)) with the AI number and owner name and let staff know that the ERIC Account Administrator is no longer associated with the AI and request a new pre-registration code.**

If an ERIC account does not exist for an AI, the note below is displayed. You should contact LDEQ (see [Section 1.3](#)) to have the ERIC account set up.



Emissions Reporting and Inventory Center

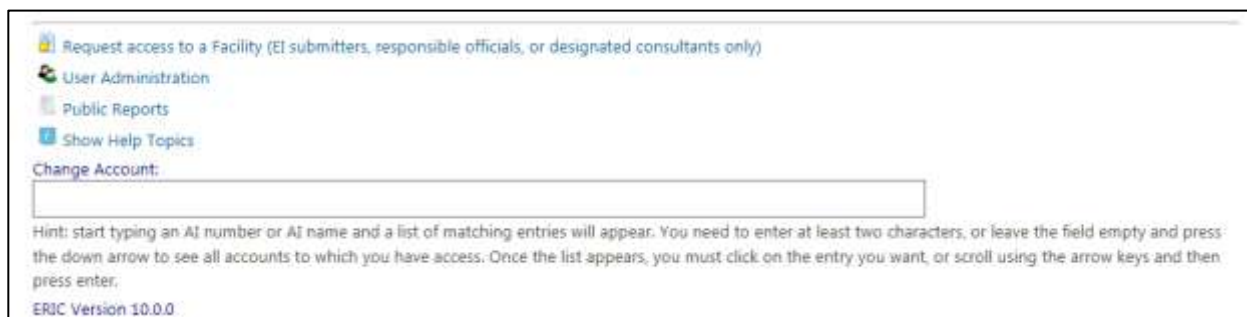
Access Request Details

You have requested access to the following Agency Interest Numbers:

AI Number	AI Name	Owner
1	The AI number you entered was not found - it will be excluded from your request.	

Save Cancel

Your portal account may have access to multiple ERIC accounts. When you log in to ERIC, you will be presented with a drop down menu of accounts to which you have access. At any time, you can change the account you are working on using a drop down menu at the bottom of the ERIC home page:



Request access to a Facility (EI submitters, responsible officials, or designated consultants only)

User Administration

Public Reports

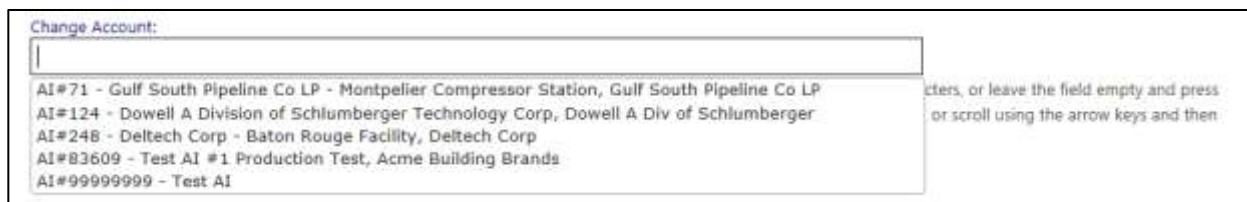
Show Help Topics

Change Account:

Hint: start typing an AI number or AI name and a list of matching entries will appear. You need to enter at least two characters, or leave the field empty and press the down arrow to see all accounts to which you have access. Once the list appears, you must click on the entry you want, or scroll using the arrow keys and then press enter.

ERIC Version 10.0.0

To select an account to work on, click in the Change Account box then start typing the AI number or AI name you are looking for. After typing at least two characters (and after a brief pause during which a “loading” symbol is displayed at the right end of the Change Account box), a list of matching entries will appear. You can use the up and down arrows on the keyboard to highlight the entry you want then press the Enter key to select it, or you can use the mouse to click on a row in the matching entries list. Either method will take you to the Account Home Page for that account. If you are not sure which AI you want, just press the down arrow while the Change Account box is selected and empty, and the list of all available accounts will appear (based on your user access privileges).



Change Account:

AI#71 - Gulf South Pipeline Co LP - Montpelier Compressor Station, Gulf South Pipeline Co LP

AI#124 - Dowell A Division of Schlumberger Technology Corp, Dowell A Div of Schlumberger

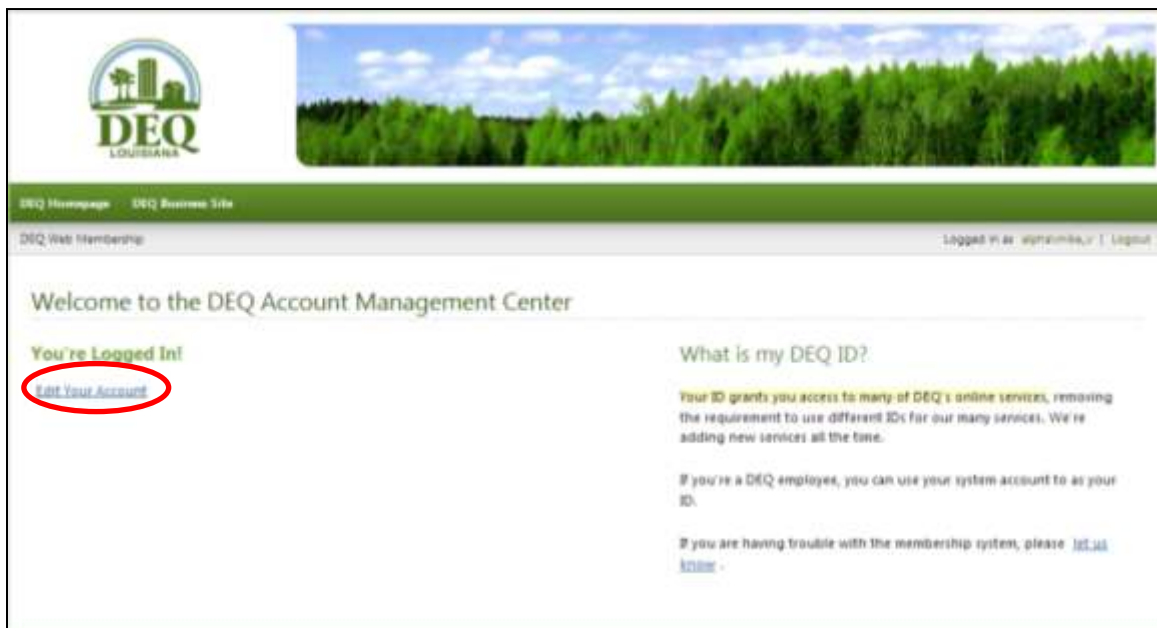
AI#248 - Deltech Corp - Baton Rouge Facility, Deltech Corp

AI#83609 - Test AI #1 Production Test, Acme Building Brands

AI#99999999 - Test AI

2.6 Portal Account Management

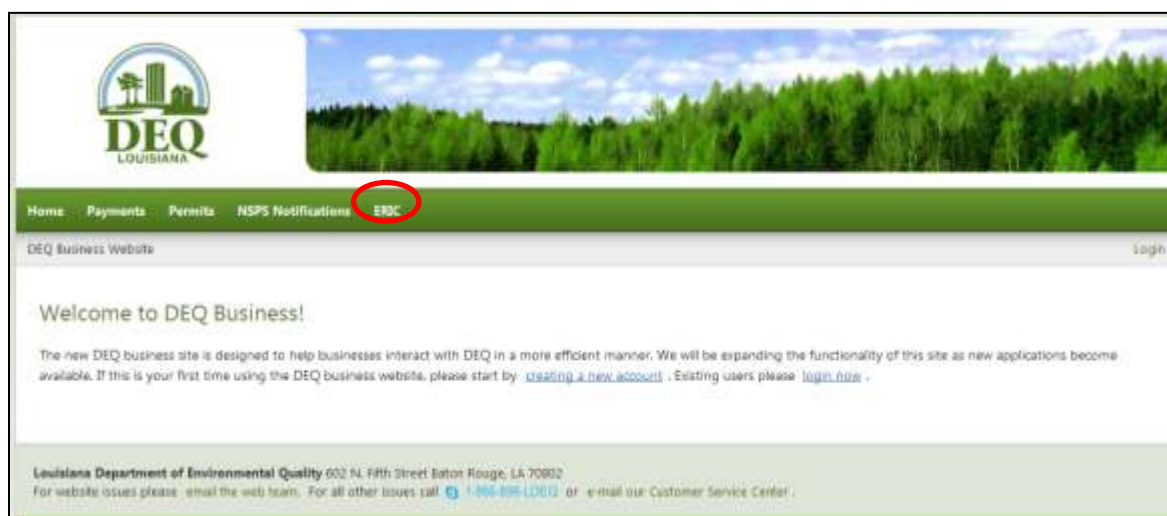
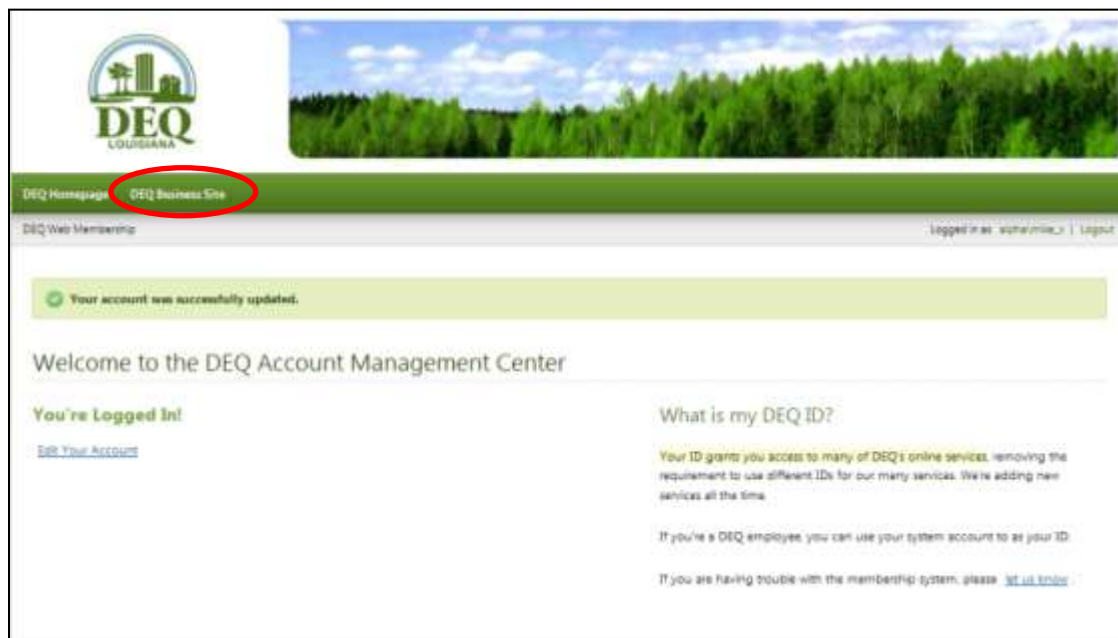
Once you have logged in to the LDEQ portal system, you can manage your portal account (password and contact information) by clicking on the link “Edit Your Account”.



From the Edit Your Profile page, click on any info block to edit that piece of information. When you are done, press the “Update Profile and Continue” button at the bottom of the page. NOTE: Clicking on your name when you are logged in will automatically direct you to the Update Profile page as well.

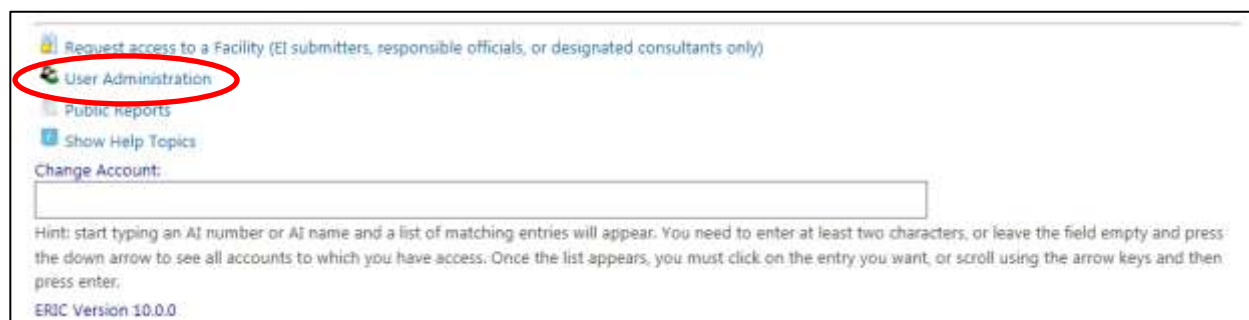


From the Account Management Center Page, click on the DEQ Business Site link to get back to ERIC.



2.7 User Management

The user management functions available to the ERIC Account Administrator are reached using the User Administration link at the bottom of the ERIC home page:



The User Administration page shows a list of current portal users that have access to the ERIC account, and a list of pending access requests:

The screenshot shows the 'Emissions Reporting and Inventory Center' User Administration page. It features two main sections: 'Current Account Users' and 'Outstanding Access Requests'. The 'Current Account Users' table lists John Haasbeek and Kelly Petersen, both with the role of Administrator. The 'Outstanding Access Requests' table lists John Haasbeek with a request date of 9/27/2013. A red circle highlights the 'Grant' and 'Reject' buttons for the outstanding request. A link to 'Return to Emissions Reporting and Inventory Center Home' is at the bottom.

First Name	Last Name	Email Address	Role	
John	Haasbeek	john@haasbeek.com	Administrator	Edit Delete
Kelly	Petersen	kelly@wonkyi.com	Administrator	Edit Delete

First Name	Last Name	Email Address	Request Date	
John	Haasbeek	john@haasbeek.com	9/27/2013	Grant Reject

You can grant or reject access requests using the *Grant* and *Reject* links in the Outstanding Access Requests list (see above). Selecting *Reject* deletes the access request from the list. Selecting *Grant* moves the portal user's account from the Outstanding Access Requests to the Current Account Users list with a role of Reader (see below). If you wish the user to have a user role other than Reader, you must modify the role.

To modify a user's role, click the *Edit* link on the user's row in the Current Account Users list. Use the drop down menu in the Role column to select the role you want the user to have, and click Save (or Cancel to discard the changes). To delete a user's role completely, click the Delete link in the user's row.

This screenshot shows the 'Current Account Users' table with a red circle around the 'Edit' button for John Haasbeek. A dropdown menu is open, showing the following roles: Reader, Manager, Administrator (highlighted), and ResponsibleOfficial. The 'Outstanding Access Requests' table is also visible below.

First Name	Last Name	Email Address	Role	
John	Haasbeek	john@haasbeek.com	Reader Manager Administrator ResponsibleOfficial	Edit Delete
Kelly	Petersen	kelly@wonkyi.com		Save Cancel

First Name	Last Name	Email Address	Request Date	
John	Haasbeek	john@haasbeek.com	9/27/2013	Grant Reject

You can grant the same role to two different users; for example, you may choose to have more than one Administrator for the account. You cannot list the same user twice with the same role but you can have the same user listed with two different roles; for example, you may have the same user listed as Administrator and Manager. Also, you cannot change or eliminate your own Administrator role unless there is another account with Administrator privilege (each ERIC account MUST have at least one Administrator).

2.8 User Roles

The ERIC system allows four user roles – each user role defines what that user can do in the ERIC system:

Administrator – this role is the same as the Manager role with the addition of access to the User Administration functions.

Manager – this role provides editing privileges on your ERIC data. Users with the Manager role can edit data, upload inventory data in Excel format, create new inventories, edit existing inventories, revise old inventories, and submit inventories. Managers do not have access to User Administration functions and therefore, cannot grant user access or modify user roles, nor can they certify inventories online (when available).

Reader – this role provides read-only access to your ERIC data. Users with this role can view your inventories and can download the data to a spreadsheet, but they cannot edit any data, upload new inventory data, or submit the inventory. This is the default user role assigned upon granting access to a requestor.

Responsible Official – this role provides all of the privileges of the Manager role, plus the ability to certify an inventory. This will be particularly important when online electronic certification is enabled, as Responsible Officials will be the only users who can perform that function. Although you may assign the Responsible Official role to any portal user, you **MUST** complete and submit the appropriate paperwork to LDEQ for each such individual. You may have more than one Responsible Official per ERIC account.

To assist you with any questions you may have in preparing your inventory, internal LDEQ staff automatically have Reader role on all ERIC accounts which allows them to view your data and help with any issues you may have. In order to better assist you, there may be circumstances in which LDEQ staff need more than Reader role on your ERIC account. LDEQ staff may then request and be granted access to the ERIC account as the Manager role or the Administrator Role.

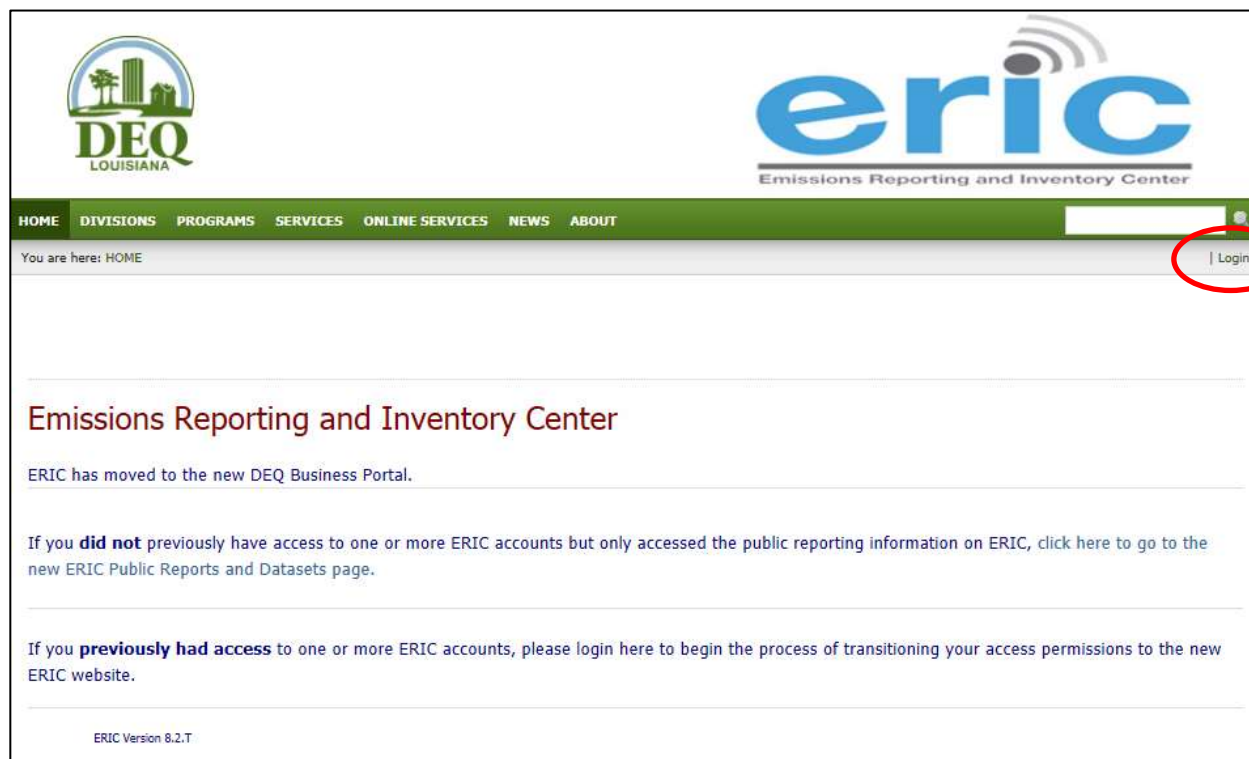
2.9 Transferring ERIC Privileges to the New LDEQ Business Web Portal

As of October 2013, the ERIC application was transferred to LDEQ's new Business Web Portal. Existing ERIC users (those with accounts established prior to the transfer) can easily transfer their ERIC privileges (account access and user roles) to the new business web portal as follows:

1. Open the LDEQ Web Portal as you have done in the past at <http://www.deq.louisiana.gov/eric>.
2. Instead of following the old link to ERIC, the homepage now has two buttons - one blue and one green. Because you already have an account and want to transfer your ERIC privileges, click on the "green" ERIC button.



3. From that page, use the Login link to log in to the web portal using your existing ERIC credentials:



4. If you have ERIC permissions that can be transferred to the new Business Portal, you will see this page:

Emissions Reporting and Inventory Center

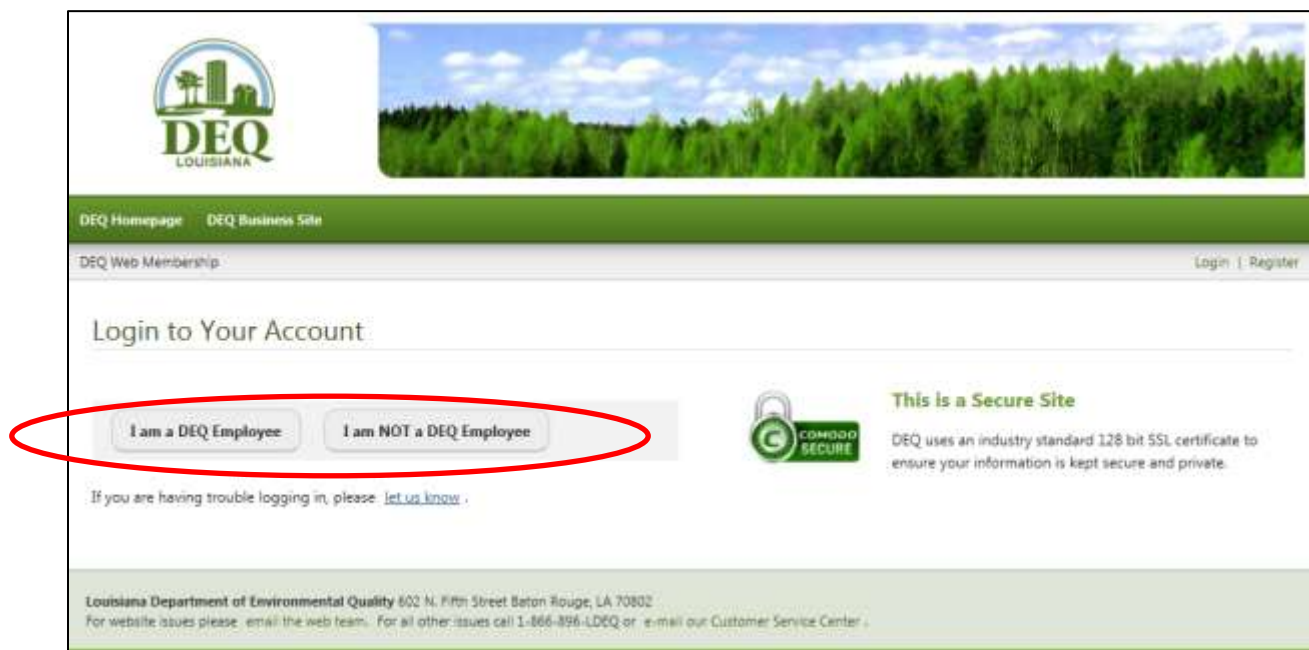
ERIC has moved to the new DEQ Business Portal.

If you **previously had access** to one or more ERIC accounts you will need to transfer your old ERIC access permissions over to your new account on the DEQ business portal. The process is easy and automatic - simply follow the link below to the new business portal, then create a new account (or log in to your existing account if you have already signed up there) and your ERIC access permissions will automatically be transferred.

[Click here to transfer your permissions to the new ERIC website.](#)

ERIC Version 8.2.T

5. Follow the link on the page above to transfer to the Business Web Portal where you must either log in using an existing account (if you have already have an account on the Business Web Portal), or create a new account:



6. First, you will need to click the “I am NOT a DEQ Employee” button.
- IF YOU ALREADY HAVE A BUSINESS WEB PORTAL ACCOUNT TO MAKE PAYMENTS AND OTHER ONLINE BUSINESS WITH LDEQ, on the next screen, enter your Business Portal user id and password and NOT your old ERIC user id and password! This will merge your ERIC permissions with your other LDEQ online access permissions.
 - IF YOU DO NOT ALREADY HAVE A BUSINESS WEB PORTAL ACCOUNT TO MAKE PAYMENTS AND OTHER ONLINE BUSINESS WITH LDEQ, and you will need to click the “**Create One Now!**” link and follow the instructions to create your new account there. Once you create this new Business

Portal Account, your ERIC privileges will be attached to it. Please refer to Section 2.2 for more details on creating a new Business Web Portal account.

Login to Your Account

If you are having trouble logging in, please [let us know](#).

Please note that for security reasons you will need to create a new account here. This account will be different from the one you used to login to the main DEQ website. Your old account will soon be phased out in favor of this new account.

User Name

[Forgot your username?](#)

Password

[Forgot your password?](#)

☐ Remember Me

Login Cancel and login as a DEQ Employee

Don't have an account?
[Create One Now!](#) It takes only a few minutes.

This is a Secure Site
DEQ uses an industry standard 128 bit SSL certificate to ensure your information is kept secure and private.

- Once you have completed this process (logging in with an existing or new account) you will be directed to the new ERIC home page with your account access privileges intact. At this point you will no longer need to log in to the old ERIC web portal – when you go to the ERIC home page you will follow the “blue” traditional ERIC link which will now automatically take you to the Business Web Portal:

DEQ LOUISIANA

eric
Emissions Reporting and Inventory Center

HOME DIVISIONS PROGRAMS SERVICES ONLINE SERVICES NEWS ABOUT

DIVISIONS • Air Permits, Engineering and Planning • Emissions Inventory Homepage Register | Login

ERIC and DEQ's Emission Inventory Operations

ERIC Resources

- ERIC User Manual (Version 2.2) - Updated 10/1/2013
- Reporting Year 2013 Guidance - Updated 10/1/2013
- Prior Year Reporting Resources - Updated 10/1/2013
- SCCs requiring Heat Content - Updated 2/10/2011
- ERIC Staff Assignments - 09/11/2013
- List of VOC & Non-VOC TAPs - Updated 4/12/2011
- Valid NAICS codes - Updated 1/7/2013
- To Access Public Reports and Datasets, you must click on the Green ERIC Button on this page!

ERIC is temporarily offline while we make the conversion to a new server!

ERIC Account Transitions

As a part of the process to increase the performance of the ERIC system, the Department made the decision to move ERIC into the business area of our website. This has simplified the ERIC account and login processes and aligned ERIC in the same area as our E-Payment, On-line Permitting, and online submissions applications. For more information, follow this link to 2013 Reporting Guidance.

If you have an existing ERIC account, you will need to follow a few steps to move your existing account over to the business website. Start the process by clicking this special GREEN ERIC button. Note, this button will go away once all accounts are migrated!

If you have already migrated your old ERIC account over to the new Business Portal, or if you wish to Create a New Business Portal Account for using ERIC or to view our Public Reports Page, you need to click this traditional ERIC Button.

8. After you have completed this process, attempting to log in to the old ERIC web portal will give you the following page:

Emissions Reporting and Inventory Center

[ERIC has moved to the new DEQ Business Portal.](#)

It appears that your account has already been transitioned to the new business portal. You no longer need to log in to this website to access ERIC simply follow the main ERIC link on the previous page, or use the link below.

[Click here to go to the new ERIC website.](#)

ERIC Version 8.2.T

3 Emissions Inventories

Each ERIC account can contain several emissions inventories. Each emissions inventory corresponds to a specific reporting year. Inventories can be in one of five statuses:

Editing – an inventory that has been started but not submitted to LDEQ. Only one inventory per reporting year can be in Editing status. Inventories in Editing status can be deleted.

Submitted – an inventory that has passed all validations and is ready to be certified. Only one inventory per reporting year can be in Submitted status. Inventories in Submitted status cannot be deleted or un-submitted by a user. If submitted by mistake, you can contact LDEQ (see [Section 1.3](#)) for assistance. Inventories that have been submitted cannot be edited.

Revised – an inventory that has been submitted and revised and is superseded by a newer inventory for that reporting year. Multiple inventories in Revised status per reporting year are allowed. A Revised inventory may or may not be certified. Inventories in Revised status cannot be deleted.

Certified – the inventory was submitted to LDEQ and the signed certification statement for the inventory was received and the postmark, ship, or hand-delivered date was entered into ERIC as the Cert Rec'd date. Also, the inventory has not been subsequently revised and so is the most up-to-date inventory for the inventory year. Inventories in Certified status cannot be deleted.

Uploading – an inventory that is in the process of being uploaded, possibly by another user with access to the same account. This status is temporary and once the upload is complete the status changes to Editing – if you see an inventory “stuck” in this status you should contact LDEQ (see [Section 1.3](#)) for support.

Once you are logged in to your portal account, your ERIC Account Home page will list the inventories for your ERIC account:

Emissions Reporting and Inventory Center						
Account Home						
Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish						
Current Inventories:					Start New Inventory	
Inventory ID	Reporting Year Revision	Type Date Started	Start Date End Date	Submitted Date Submitted By	Cert Recd Date Cert Recd By	
1238482	2010 0	Criteria and Toxic 1/12/2011	1/1/2010 12/31/2010			Edit Delete Summary
1238066	2009 0	Criteria and Toxic 1/14/2011	1/1/2009 12/31/2009	1/15/2010	5/22/2013	View Revise Summary
1237266	2008 1	Criteria 1/1/2008	1/1/2008 12/31/2008	10/16/2009	10/16/2009	View Revise Summary
1237246	2008 0	Criteria 1/1/2008	1/1/2008 12/31/2008	10/14/2009	10/14/2009	View Summary
1201868	2007 0	Criteria 1/1/2007	1/1/2007 12/31/2007	5/6/2008	5/14/2008	View Revise Summary
1193967	2006 1	Criteria 1/1/2006	1/1/2006 12/31/2006	9/6/2007	9/12/2007	View Revise Summary
1188526	2006 0	Criteria 1/1/2006	1/1/2006 12/31/2006	8/31/2007	9/5/2007	View Summary
1237731	2005 0	Criteria 2/12/2011	1/1/2005 12/31/2005			View Revise Summary

* To edit inventory type or start/end dates click on the inventory id.
 ** Inventories in Uploading status are normally the result of uploads that were interrupted. They must be deleted, but make sure another user is not currently uploading to this account first.

Key:

Uploading	Editing	Submitted	Revised	Certified
-----------	---------	-----------	---------	-----------

In the example above, the Account Home page lists the AI name (Gulf South Pipeline Co LP-Montpelier Compressor Station), the AI number (71), the owner company name (Gulf South Pipeline Co LP), and the parish where the AI is located. Below that, all of the existing inventories for the account are listed.

Here, the AI submitted but did not certify their 2005 inventory; while in 2006 they submitted and certified their inventory and then a revision to that inventory. They submitted and certified their 2007 inventory and have not revised it, etc. They are currently working on their 2010 inventory, which is in Editing status. **(NOTE – these inventories and the data associated with them are for illustrative purposes only and are not the actual data for this AI).**

This display has changed somewhat from the prior version of ERIC (before October 2013) – to make the display more readable the columns have been stacked into two rows for each inventory. There is also a new data element in the display – the third column now displays the Date Started which shows the earliest date that an inventory for the given reporting year and revision number was started in ERIC.

3.1 Starting a New Inventory

To start a new inventory for a new reporting year, simply click on the *Start New Inventory* link above the Current Inventories list on the ERIC Account Home page:

Emissions Reporting and Inventory Center

Account Home

Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Current Inventories:

Inventory ID	Reporting Year	Revision	Type	Date Started	Start Date	End Date	Submitted Date	Submitted By	Cert Recd Date	Cert Recd By
1234567	2010	0	Criteria and Toxic	1/1/2010	1/1/2010	12/31/2010				

[Start New Inventory](#)

If you do not see this link, it means you do not have Administrator, Manager, or Responsible Official role on the account. Contact the ERIC Account Administrator regarding your access level.

The screen below appears after you click *Start New Inventory* and shows the information required to start a new inventory:

Emissions Reporting and Inventory Center

Start New Inventory

Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Inventory Type:	<input type="text" value="Choose One..."/>	Select "Criteria" if you are submitting an inventory pursuant to LAC 33:III.919 . Select "Toxic" if you are submitting an inventory pursuant to LAC 33:III.5107 . Select "Criteria and Toxic" if you are submitting an inventory to meet reporting requirements of both regulations.
Reporting Year:	<input type="text" value="2012"/>	
Ownership Start:	<input type="text" value="7/10/2000"/>	This is the ownership start date for this account as currently recorded in TEMPO (blank means no date set).
Ownership End:	<input type="text"/>	This is the ownership end date for this account as currently recorded in TEMPO (blank means no date set).
Start Date:	<input type="text" value="1/1/2012"/>	Correct start and end dates are required for partial inventories resulting from ownership changes. If the ownership start date is within the reporting year, the inventory start date must match the ownership start date before you can submit the inventory. Contact LDEQ if you believe the ownership start date is not correct.
End Date:	<input type="text" value="12/31/2012"/>	Correct start and end dates are required for partial inventories resulting from ownership changes. If the ownership end date is within the reporting year, the inventory end date must match the ownership end date before you can submit the inventory. Contact LDEQ if you believe the ownership end date is not correct.
Revision Number:	<input type="text" value="0"/>	
Base Year:	<input type="text" value="None"/>	Select a year to pull forward into the new inventory as a starting point. Select "None" to create a blank inventory. Note - if you select a base year prior to 2005, any Criteria and Toxic inventories for that year will be combined into a single new inventory for the new reporting year. Also be aware that older inventories may require additional work to meet current data validation standards.

Inventory Type – in the first drop down menu, you must indicate if the inventory will include criteria pollutants (reported under LAC 33:III.919), TAPs (reported under LAC 33:III.5107) or both. If you are reporting only criteria pollutants, then select *Criteria*. If you are reporting only TAPs, then select *Toxic*. If you are subject to reporting under both sections, you must submit a combined inventory and select *Criteria and Toxic*. You cannot submit separate inventories for criteria pollutants and TAPs in the same year.

Reporting Year – the year for which the inventory is being reported.

Ownership Start – the ownership start date for the account as currently recorded in TEMPO.

Ownership End – the ownership end date for the account as currently recorded in TEMPO.

Under most circumstances, you will submit an inventory for the full reporting year. This may not be the case if your AI changed ownership during the reporting year and each owner is required to submit a separate inventory. See [Section 6.5](#) for specific instructions on change of ownership. In this case, you would set the start date and end date for the reporting period to reflect the portion of the year for which you are reporting emissions.

Start Date – the date that represents the beginning of the reporting period. It must be within the period of ownership for the account as reflected in TEMPO.

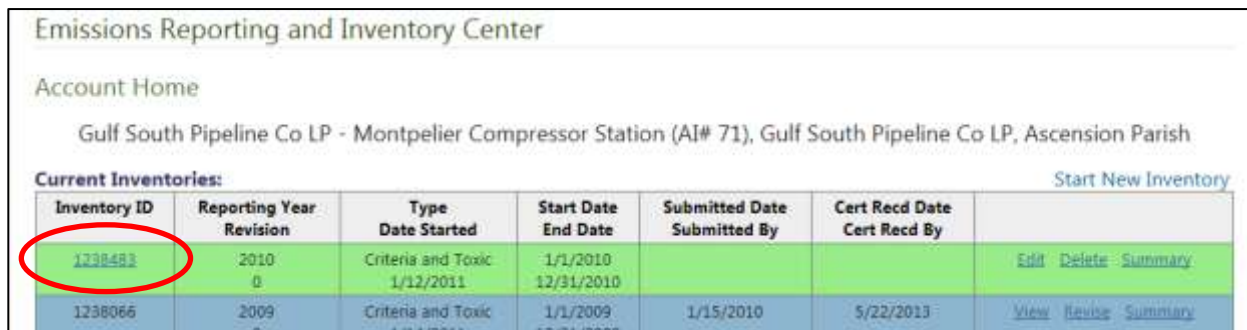
End Date – the date that represents the end of the reporting period. It must be within the period of ownership for the account as reflected in TEMPO.

Revision Number – The revision number is automatically set by ERIC. For all new reporting years, the first inventory is revision number zero. This number is automatically incremented if you revise a previously submitted inventory (see [Section 3.5](#)).

Base Year – A list of the years with most recently certified inventories for your account. You can select a prior year (typically the year immediately preceding the new reporting year) and use that year's inventory as a starting point for the new inventory. Once the new inventory is created, it will be populated with the data from the most recently certified inventory in the base year you selected. If you do not select a base year, the inventory will be blank.

3.2 Changing the Inventory Type, Start Date, and End Date on an Inventory

For inventories that are in Editing status, the inventory listing shows a clickable link under the Inventory ID column.



The screenshot shows the 'Emissions Reporting and Inventory Center' interface. Under 'Account Home', it lists 'Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish'. Below this is a table titled 'Current Inventories:'. The table has columns: Inventory ID, Reporting Year Revision, Type, Date Started, Start Date, End Date, Submitted Date, Submitted By, Cert Recd Date, Cert Recd By, and a final column with links. The first row (ID 1238481) is highlighted in green and has its ID circled in red. The second row (ID 1238066) is highlighted in blue.

Inventory ID	Reporting Year Revision	Type	Date Started	Start Date	End Date	Submitted Date	Submitted By	Cert Recd Date	Cert Recd By	
1238481	2010 0	Criteria and Toxic	1/12/2011	1/1/2010	12/31/2010					Edit Delete Summary
1238066	2009 0	Criteria and Toxic	1/14/2011	1/1/2009	12/31/2008	1/15/2010		5/22/2013		View Revis Summary

You can click on this link to open a screen similar to the *Start New Inventory* screen where you can modify the inventory type, and/or the start and end dates of the inventory:

Emissions Reporting and Inventory Center

Edit Inventory Dates

Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Inventory Type:	Criteria and Toxic	Select "Criteria" if you are submitting an inventory pursuant to LAC 33:III.919 . Select "Toxic" if you are submitting an inventory pursuant to LAC 33:III.5107 . Select "Criteria and Toxic" if you are submitting an inventory to meet reporting requirements of both regulations.
Reporting Year:	2010	
Ownership Start:	7/10/2000	There are multiple periods of ownership within this date range. Click here to view the TEMPO ownership dates on record for your organization.
Ownership End:		This is the ownership end date for this account as currently recorded in TEMPO (blank means no date set).
Start Date:	1/1/2010	Correct start and end dates are required for partial inventories resulting from ownership changes. If the ownership start date is within the reporting year, the inventory start date must match the ownership start date before you can submit the inventory. Contact LDEQ if you believe the ownership start date is not correct.
End Date:	12/31/2010	Correct start and end dates are required for partial inventories resulting from ownership changes. If the ownership end date is within the reporting year, the inventory end date must match the ownership end date before you can submit the inventory. Contact LDEQ if you believe the ownership end date is not correct.
Revision Number:	0	
Base Year:	2010	

Save Cancel

Note that if you change the inventory type you must check to be sure you are reporting the correct pollutants for the inventory type you select. ERIC will not allow you to report criteria pollutants on a Toxic inventory, nor can you report TAPs on a Criteria inventory.

3.3 Viewing, Editing, and Deleting Inventories

Depending on the status of an inventory and your user role, you may see links in the inventory listing to View, Edit, or Delete an inventory:

Emissions Reporting and Inventory Center

Account Home

Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Current Inventories: [Start New Inventory](#)

Inventory ID	Reporting Year Revision	Type Date Started	Start Date End Date	Submitted Date Submitted By	Cert Recd Date Cert Recd By	
1238482	2010 0	Criteria and Toxic 1/12/2011	1/1/2010 12/31/2010			Edit Delete Summary
1238066	2009 0	Criteria and Toxic 1/14/2011	1/1/2009 12/31/2009	1/15/2010	5/22/2013	View Delete Summary

If an inventory is read-only (either because you only have Reader as your user role or because the inventory has already been submitted), you will see a View link (see above) that allows you to open the inventory in read-only mode (see [Section 4.2](#) for more details on view mode).

If you have permission to edit the inventory and the inventory is in Editing status, you will see an Edit link (see above) that allows you to open the inventory in Edit mode (see [Section 4.2](#)).

The Delete link (if available – see above) will delete the inventory and all associated data. You will be prompted to confirm that you want to delete the inventory before the data is actually deleted.



Note that you can delete an inventory that is in Editing status at any time. Thus, if you start a new inventory and later decide to start over, you can simply click the Delete link for the unwanted inventory on the ERIC Home page and all data associated with the inventory will be deleted. You cannot delete inventories that have been submitted, certified, or revised, nor can you delete inventories when another inventory exists with a higher revision number for any account.

3.4 Inventory Summary Page

The Summary link will take you to a summary page that shows the number of each item in the inventory and the summarization of emissions by pollutants for the inventory.

Emissions Reporting and Inventory Center						
Account Home						
Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish						
Current Inventories:						Start New Inventory
Inventory ID	Reporting Year Revision	Type Date Started	Start Date End Date	Submitted Date Submitted By	Cert Recd Date Cert Recd By	
1238482	2010 0	Criteria and Toxic 1/12/2011	1/1/2010 12/31/2010			Edit Delete Summary
1238066	2009 0	Criteria and Toxic 1/14/2011	1/1/2009 12/31/2009	1/15/2010	5/22/2013	View Revise Summary

Emissions Reporting and Inventory Center

Inventory Summary - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

Home Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Your inventory contains the following:

Inventory Summary		
3 Contacts	26 Sources	23 Processes
55 Emission Factors	32 Release Points	0 Portable Locations
2 Control Systems	13 Control Efficiencies	134 Emissions Records

Criteria Pollutants		
Pollutant	Total Emissions (tons)	Ozone Season Emissions (lb/day)
Carbon monoxide (CO)	23.87	130.79096
Nitrogen oxides (NOx)	23.56	129.103698
Particulate matter (10 microns or less) (PM10)	43.78	239.898494
Sulfur dioxide (SO2)	0.2	1.203919
VOC, Total	24.459	134.162209

HVRVC Pollutants		
Pollutant	Total Emissions (tons)	Ozone Season Emissions (lb/day)
Ethylene	0.503656	3.506

Toxic Air Pollutants		
Pollutant	Total Emissions (tons)	Ozone Season Emissions (lb/day)
Benzene	8768.1	24.023149
Cumene	4.29	0.011753
Ethyl benzene	1598.067	4.387351
Styrene	658.366	1.817845
Toluene	7937.363	21.765259
Xylene (mixed isomers)	1081.892	2.974605

Run Validation Checks

For inventories in Editing status, you will see a button that says *Run Validation Checks*. Clicking the button will run validations on the inventory and begin the process of submitting the inventory to LDEQ. This process is described in detail in [Section 3.12](#).

Inventories cannot be submitted if there is a previous revision in Editing status.

For inventories that have been Submitted but no Certification Statement has been generated yet you will see a button that says *Generate Certification Statement* (if you have the necessary user role on the account). Clicking the button will generate a PDF Certification Statement for the inventory and will allow you to download the file to be printed and signed. If the Certification Statement has already been generated or the inventory is in Certified status, you will see a button that says *View Certification Statement*. Clicking the button will pull up a PDF of the Certification Statement for the inventory. Note that this is the unsigned version of the Certification Statement that was originally generated from ERIC – the scanned copy of the signed Certification Statement (if it has been received and processed by LDEQ) is available through the online Electronic Document Management System (EDMS) on the LDEQ portal.

Inventory is submitted but no Certification Statement has been generated:

Inventory Summary - 2006 Inventory (1/1/2006 - 12/31/2006) Revision 1, Submitted 9/6/2007.

Home Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Your inventory contains the following:

Inventory Summary		
2 Contacts	17 Sources	17 Processes
46 Emission Factors	17 Release Points	0 Portable Locations
0 Control Systems	0 Control Efficiencies	69 Emissions Records

Criteria Pollutants		
Pollutant	Total Emissions (tons)	Ozone Season Emissions (lb/day)
Carbon monoxide (CO)	189.969	1723.423
Nitrogen oxides (NOx)	911.951	7234.277
Particulate matter (10 microns or less) (PM10)	13.7383	106.053
Particulate matter (2.5 microns or less) (PM2.5)	13.5983	105.285
Sulfur dioxide (SO2)	0.16701	1.315
VOC, Total	70.7139	524.9074

HRVOC Pollutants		
No HRVOC pollutants reported		

Toxic Air Pollutants		
No toxic air pollutants reported		

Generate Certification Statement

Certification Statement has already been generated or Inventory is in Certified status:

Inventory Summary - 2006 Inventory (1/1/2006 - 12/31/2006) Revision 1, Submitted 9/6/2007.

Home Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Your inventory contains the following:

Inventory Summary		
2 Contacts	17 Sources	17 Processes
46 Emission Factors	17 Release Points	0 Portable Locations
0 Control Systems	0 Control Efficiencies	69 Emissions Records

Criteria Pollutants		
Pollutant	Total Emissions (tons)	Ozone Season Emissions (lb/day)
Carbon monoxide (CO)	189.969	1723.423
Nitrogen oxides (NOx)	911.951	7234.277
Particulate matter (10 microns or less) (PM10)	13.7383	106.053
Particulate matter (2.5 microns or less) (PM2.5)	13.5983	105.285
Sulfur dioxide (SO2)	0.16701	1.315
VOC, Total	70.7139	524.9074

HRVOC Pollutants		
No HRVOC pollutants reported		

Toxic Air Pollutants		
No toxic air pollutants reported		

View Certification Statement

3.5 Revising an Existing Inventory

After an inventory has been submitted to LDEQ, you may find that you need to make revisions to the data. From the Account Home page, click on the Revise link for the inventory you want to revise:

Emissions Reporting and Inventory Center						
Account Home						
Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish						
Current Inventories:						Start New Inventory
Inventory ID	Reporting Year Revision	Type Date Started	Start Date End Date	Submitted Date Submitted By	Cert Recd Date Cert Recd By	
1238482	2010 0	Criteria and Toxic 1/12/2011	1/1/2010 12/31/2010			Edit Delete Summary
1238066	2009 0	Criteria and Toxic 1/14/2011	1/1/2009 12/31/2009	1/15/2010	5/22/2013	Edit Revise Summary

This will bring you to the Revise Inventory screen, which is similar to the Start New Inventory screen. However, the reporting year, start date, end date, and base year are all set for you (you cannot change them):

Emissions Reporting and Inventory Center		
Revise Inventory		
Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish		
Inventory Type:	<input type="text" value="Criteria and To"/>	Select "Criteria" if you are submitting an inventory pursuant to LAC 33:III.919 . Select "Toxic" if you are submitting an inventory pursuant to LAC 33:III.5107 . Select "Criteria and Toxic" if you are submitting an inventory to meet reporting requirements of both regulations.
Reporting Year:	2009	
Ownership Start:	7/10/2000	There are multiple periods of ownership within this date range. Click here to view the TEMPO ownership dates on record for your organization.
Ownership End:		This is the ownership end date for this account as currently recorded in TEMPO (blank means no date set).
Start Date:	1/1/2009	Correct start and end dates are required for partial inventories resulting from ownership changes. If the ownership start date is within the reporting year, the inventory start date must match the ownership start date before you can submit the inventory. Contact LDEQ if you believe the ownership start date is not correct.
End Date:	12/31/2009	Correct start and end dates are required for partial inventories resulting from ownership changes. If the ownership end date is within the reporting year, the inventory end date must match the ownership end date before you can submit the inventory. Contact LDEQ if you believe the ownership end date is not correct.
Revision Number:	1	
Base Year:	2009	
<input type="button" value="Save"/> <input type="button" value="Cancel"/>		

Clicking Save from this screen will create a new inventory for that reporting year based on the already submitted inventory and set the status of the previously submitted inventory to Revised. The newly created inventory will have all the data from the previously submitted inventory, except Facility and Contact, which will show data directly from TEMPO.

When revising an inventory, you can change the inventory type if appropriate. Note that if you change the inventory type you must check to be sure you are reporting the correct pollutants for the inventory type you select. ERIC will not allow you to report criteria pollutants on a Toxic inventory, nor can you report TAPs on a Criteria inventory.

Once you have created the new inventory for the reporting year, you can edit the data and then go through the process to submit the revised inventory. If, however, you decide that you do not need to revise the inventory after all, you can simply delete the new inventory using the *Delete* link on the ERIC Home page and the previous revision will be set back to Submitted status.

Do not create revisions to your inventory unless the previous revision has been submitted or certified.

3.6 Navigating and the Browser Back Button

As with many online systems, ERIC is not designed to allow you to use your browser back button to go back to a previous screen. The reason for this limitation is the same as the reason you are warned not to use the back button or refresh button while shopping online or booking airline tickets – ERIC is a “transactional” system, and each screen keeps track of where you are in your current transaction. Going back to a different page and re-submitting the transaction can cause your transaction context to be out of sequence, and can cause undesirable results. Each browser has a different image for its back button, but in all browsers they are located outside the web page near the top left area of the browser window:



Each page in ERIC will display a *Back* link within the web page itself that will ensure you are returned to your home page with your transactional context intact:



One other important note about navigating in the ERIC web site – the Enter key is NOT USED for ERIC functions. Do not press the Enter key to try to move from field to field or to submit a form. In the current LDEQ portal, the Enter key is reserved to execute the Search function at the top of the portal page.

3.7 Inventory Home Page

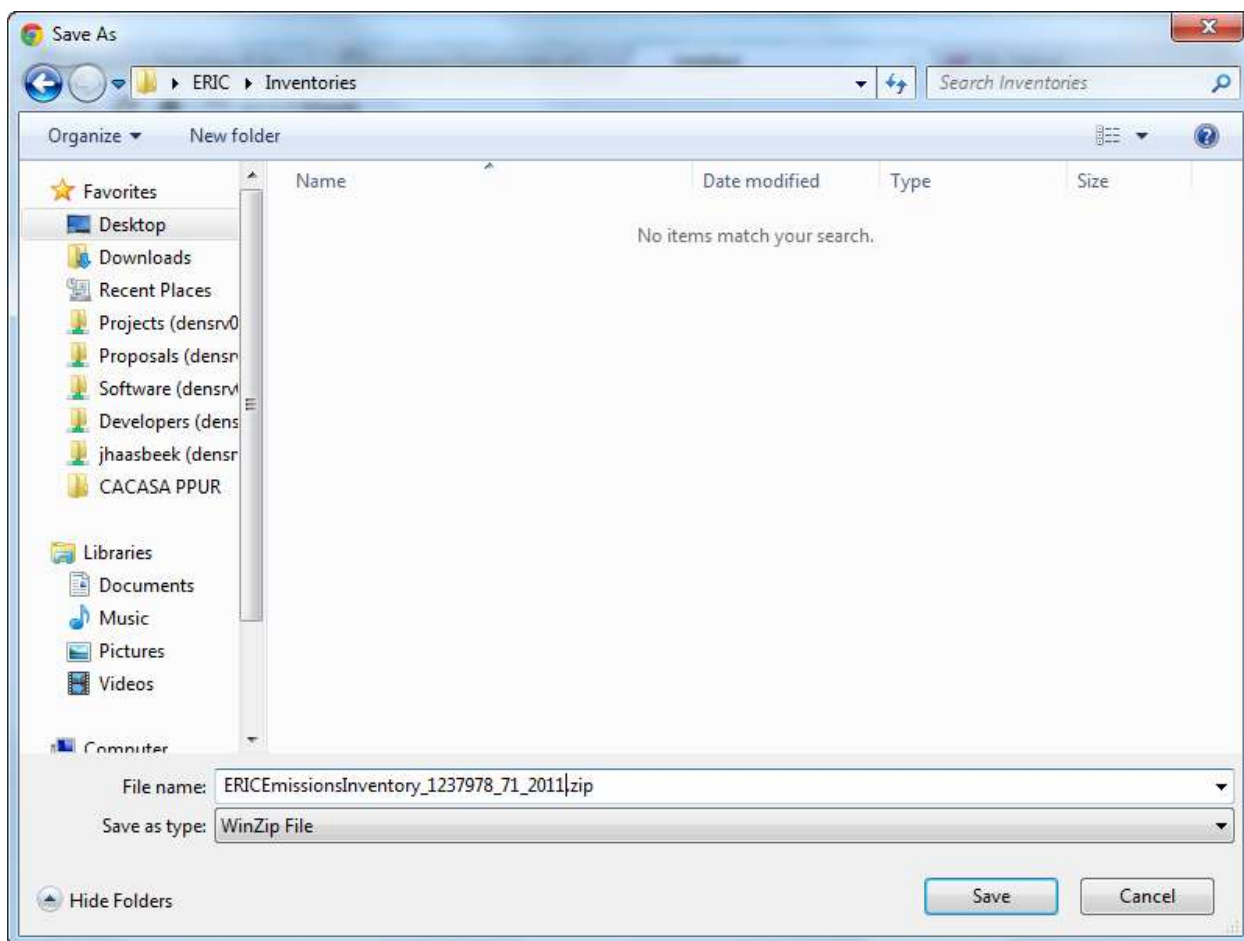
The Inventory Home page shows the inventory details in the header, below which are tabs that correspond to the various data element groups in the inventory. The data elements on each tab are described later in this manual.

To access the data in an inventory, click the Edit or View link for that inventory on the Account Home page. You can edit an inventory that is in Editing status (i.e., has not been submitted or revised). Users assigned Reader role can only View inventory data, regardless of the inventory status. Users with higher security privileges (Manager, Administrator, etc) can edit data in Editing mode but can only View inventory data for inventories in Submitted status.

At the top of the page, there are links to Download Inventory, Download Reconciliation Report, and (if you have editing privileges) to Upload Inventory. To view the data in each group, simply click on the link in the corresponding tab.

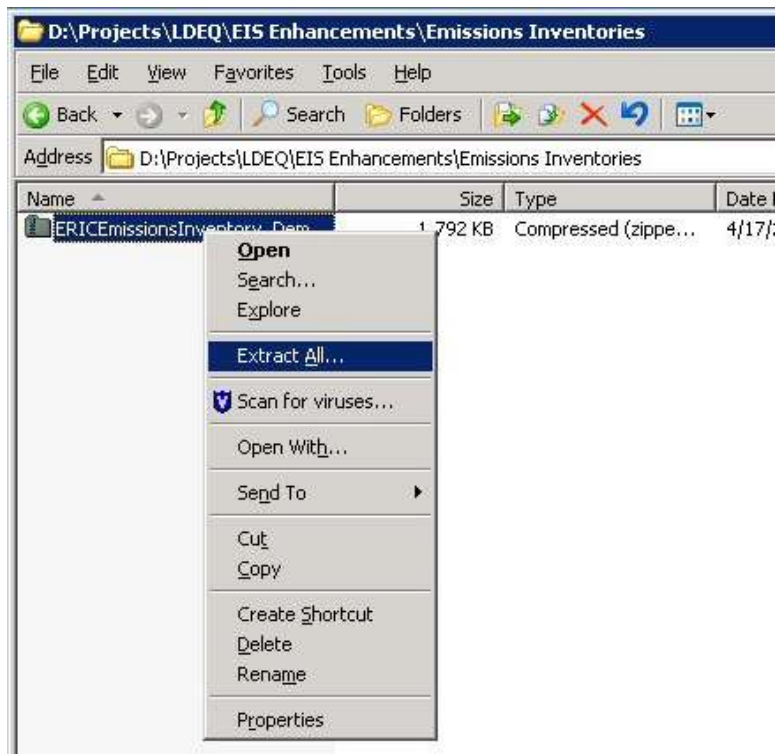
3.8 Downloading an Inventory

Inventory data can be downloaded into a Microsoft Excel workbook. From the ERIC Home page, choose the inventory you want to download by clicking the Edit or View button. Click on the *Download Inventory* link at the top left of the Inventory Home page to download the file. The file is delivered in a compressed (“zipped”) format. A blank window will popup while the inventory file is being prepared – once the file has been created, your browser will prompt you to Open or Save the file. You should ALWAYS SAVE the file – if you open it you will lose any changes you make or data you add (when you directly open a file from the web, most browsers save it in a “temporary” location making it difficult or impossible to locate the file). The following screen shot shows the *Save As* window in Google chrome:



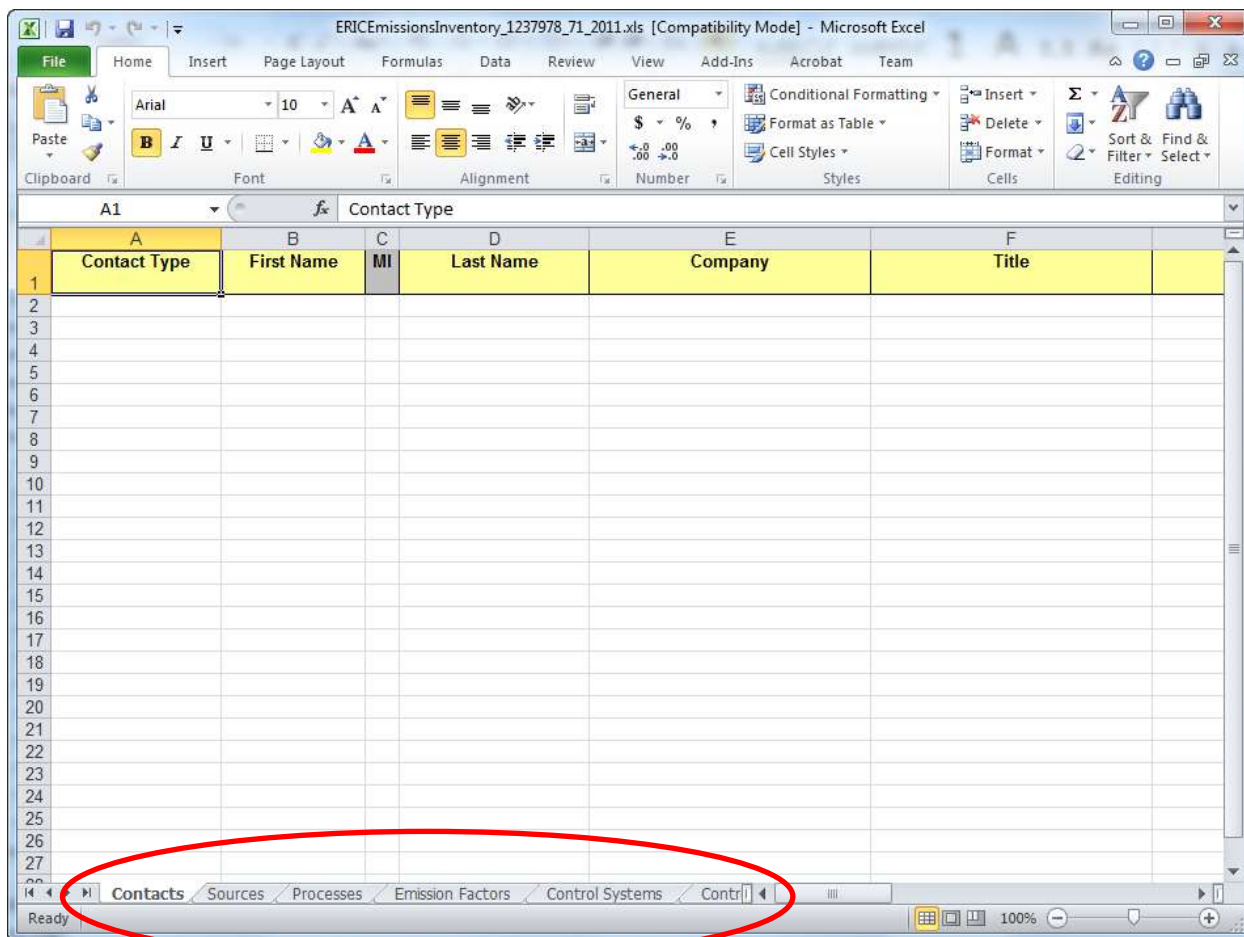
The default name that is offered for the file consists of the title “ERICemissionsInventory” followed by the inventory ID (listed on your Account Home page), the AI number, and the reporting year (each item separated by an underscore).

After you save this compressed file to your local drive (for example, in your My Documents folder), you will need to extract the Excel workbook from it. In Windows XP Explorer, you can right-click on the zip file and select Extract All from the context menu:



Follow the on-screen instructions to extract the Excel workbook from the compressed archive. You may use another commercial compression tool such as WinZip or PKZip – please consult your user documentation for instructions on how to extract the files using these tools.

Once the file is extracted, you can open it in Microsoft Excel (version 2003 or higher). The workbook contains worksheets that correspond to the tabs on the Inventory Home page:



You can copy and paste data in the worksheets, or import data from other sources such as Microsoft Access or other database programs. See [Section 4](#) for data entry in ERIC.

3.9 Uploading an Inventory

To upload data that you have been working on in the Microsoft Excel format, you must first navigate to the Inventory Home page for the inventory to which the data will be uploaded. ERIC does not prevent you from uploading data from one inventory into another, so be careful that you select the matching inventory and Excel file. From the appropriate Inventory Home page, click on the Upload Inventory link at the top left of the page.

Emissions Reporting and Inventory Center

Inventory Details - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

Home Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish
TEMPO owner dates: 7/10/2000 -

Download Inventory Download Reconciliation Report **Upload Inventory**

Facility	Contacts	Sources	Processes	Emission Factors	Control Systems	Control Efficiencies	Release Points	Locations	Emissions
----------	----------	---------	-----------	------------------	-----------------	----------------------	----------------	-----------	-----------

Most facility information is no longer entered or edited directly through ERIC. You can enter/edit the Description, Status, and Comments data. The information displayed here is the current information in the DEQ TEMPO system. If the information displayed is not correct, please send a request with the updated information to facupdate@la.gov.

Indicates Required Fields		Edit
Facility Name:	Gulf South Pipeline Co LP - Montpelier Compressor Station	Short name of the facility.
Owner:	Gulf South Pipeline Co LP	Owner of the facility.

You will be prompted to select a file containing the inventory data you wish to upload:

Emissions Reporting and Inventory Center

Inventory Upload - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

Home Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

CAUTION - If your Excel file contains new release points, new release point coordinates, or changes to existing coordinates, a successful upload will generate an email notification to parish assigned staff at DEQ for approval. Be sure that these are changes you want approved before uploading.

This form allows you to upload an inventory in Excel format. Use the "Browse" button below to select the Excel file on your computer, then click "Upload" to upload the file.

You can upload the Excel file, or you can zip the file first using any common zip utility such as WinZip, or the Windows "Send to Compressed (zipped) Folder" function. The zip file must contain only the ERIC Excel workbook to import.

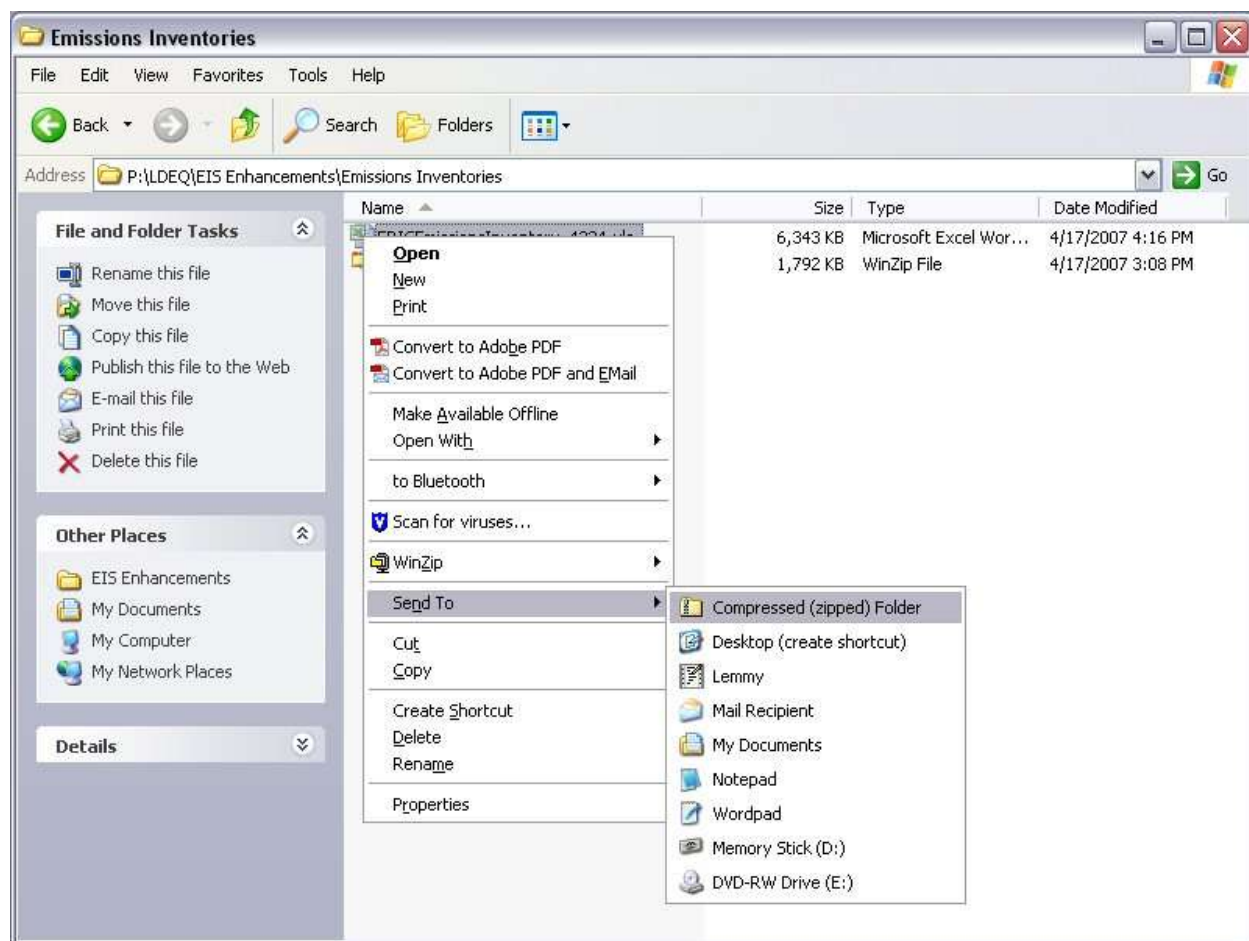
CAUTION - this will REPLACE all of the existing data in the inventory with the contents of the file you are uploading. The contents of the Excel file will be validated prior to importing them to the database - if the validation tests are passed, the existing online inventory will be deleted and replaced with the inventory from the Excel file.

You may want to make sure you have a recent backup of your inventory (use the Download Inventory function to create and save an Excel file with the current contents).

Browse... Upload

Note the Caution statement on the screen – the data in the file you upload will REPLACE the data in the current inventory. There is no "undo" function for this process, so you may want to make sure you have recently downloaded the inventory and saved the data as a backup. If you upload the wrong data, you can simply upload your backup file to restore the inventory to its prior state.

You can either upload the raw Excel file (with a file extension of .xls or .xlsx), or you can compress the file in a "zip" archive prior to uploading it. Most Internet connections provide for significantly faster download speeds than upload speeds, so you are encouraged to compress the Excel file prior to uploading it. In Windows XP Explorer, you can simply right-click on the Excel file and select Send To -> Compressed (zipped) Folder from the context menu. Follow the on-screen instructions to create the compressed file. Other zip utilities such as WinZip or PKZip have a similar process for compressing an individual file.



Click the Choose File button (labeled Browse in some browsers) on the Upload Inventory screen and locate the Excel or Zip file that you want to upload. Once you have selected the file to upload, click the Upload button:

Emissions Reporting and Inventory Center

Inventory Upload - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

Home Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

CAUTION - If your Excel file contains new release points, new release point coordinates, or changes to existing coordinates, a successful upload will generate an email notification to parish assigned staff at DEQ for approval. Be sure that these are changes you want approved before uploading.

This form allows you to upload an inventory in Excel format. Use the "Browse" button below to select the Excel file on your computer, then click "Upload" to upload the file.

You can upload the Excel file, or you can zip the file first using any common zip utility such as WinZip, or the Windows "Send to Compressed (zipped) Folder" function. The zip file must contain only the ERIC Excel workbook to import.

CAUTION - this will REPLACE all of the existing data in the inventory with the contents of the file you are uploading. The contents of the Excel file will be validated prior to importing them to the database - if the validation tests are passed, the existing online inventory will be deleted and replaced with the inventory from the Excel file.

You may want to make sure you have a recent backup of your inventory (use the Download Inventory function to create and save an Excel file with the current contents).

C:\ERIC EmissionsInventory_1 Browse... Upload

The process can take up to several minutes to complete – your browser will indicate that the request is still processing (for example, in Microsoft Internet Explorer 9, the spinning circle in the browser tab indicates the request is still processing). The file is uploaded to the ERIC server, extracted (if it is a zip file), and the contents are processed.

If the file uploads without error, you will see a confirmation message; however, this does not mean that your file will pass final validation – [Appendix A](#) explains which validations are enforced during the inventory upload:

Emissions Reporting and Inventory Center

Inventory Upload - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

Home Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

File uploaded - ERICEmissionsInventory_1238483_71_2010.zip, 0.04 MB

The inventory was imported successfully. Return to the ERIC home page to view or edit your new inventory.

If there were problems with the upload, you will see a list of specific error messages. There are three types of messages that you may receive.

1. Warnings – these alert you to possible data problems, but your inventory is still imported.
2. Structural Errors occur when the format of the spreadsheet is changed which prevents the system from reading the file; and,
3. Content Errors occur when the data can be read but the values are unacceptable.

If any structural errors occur, the processing will stop and you will not see any content error messages. Omitting a required column on one of the spreadsheet tabs, or omitting one of the tabs altogether, would be an example of a structural error:

Emissions Reporting and Inventory Center

Inventory Upload - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

[Home](#) Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

File was not successfully uploaded due to the errors listed below. You will need to fix the errors and upload the file again.

There were 1 errors in your file:

Be aware that fixing the errors shown may result in additional errors when attempting to upload an inventory or when running validations on the summary page.

- Sources tab not found.

If there are no structural errors, the processor will examine all of the data (even if some content errors occur). This will provide you with a complete list of errors to address rather than stopping at the first error. The valid values and rules for all of the data elements in the ERIC inventory are described in [Section 5](#). [Appendix A](#) gives details about which validations are enforced during the inventory upload processing.

The restrictions in the downloaded Excel file should prevent most structural and content errors; however, if you construct your own spreadsheet from scratch, you may encounter warning and errors:

Emissions Reporting and Inventory Center

Inventory Upload - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

[Home](#) Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

File was not successfully uploaded due to the errors listed below. You will need to fix the errors and upload the file again.

There were 1 warnings in your file:

- Release Points row 2: Calculated flow rate (23.56194490) and entered flow rate (100) differ by more than 5%.

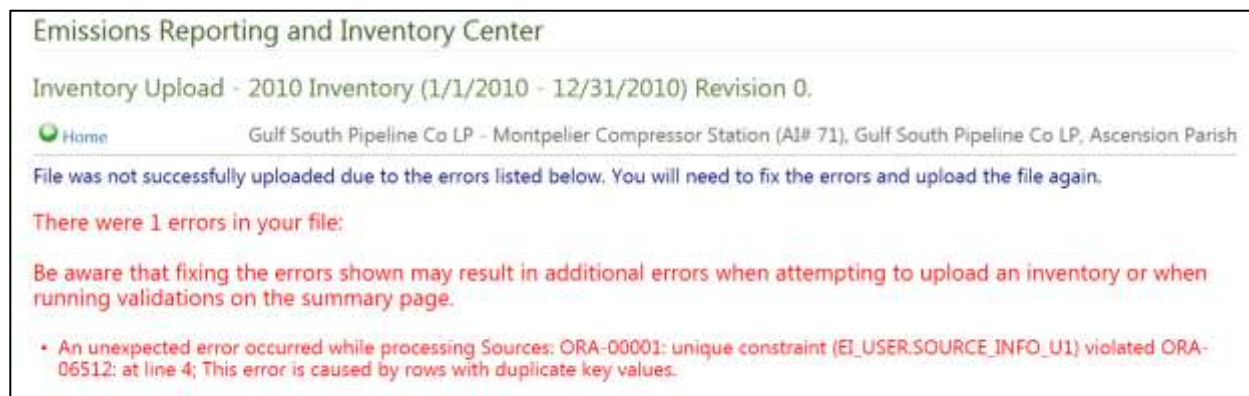
There were 2 errors in your file:

Be aware that fixing the errors shown may result in additional errors when attempting to upload an inventory or when running validations on the summary page.

- Emission Factors row 2: Non-numeric value found in column Emission Factor.
- Release Points row 2: Invalid release point type - 'Unknown'.

In the example above, a warning was issued for a potential inconsistency in data for diameter, flow rate, and exit velocity on a release point. In addition, a content error was reported on Emission Factors row 2 because the Emission Factor column contained a non-numeric value and another for Release Points row 2 where an invalid Release Point Type was submitted.

Another error message you may encounter is a Unique Index Violation.



This type of error indicates that a column that must contain unique values contains a duplicate. In the example above, the uploaded file contained duplicate Source ID values (see [Section 5](#) for more information on which columns must contain unique values).

On occasion, during upload of a spreadsheet, the system may crash without giving any warnings or errors. When this happens, it is possible that a revision to your inventory may have been created. If you find that this has occurred, delete all of the extra revisions. Keep the one revision you were trying to upload to and try to upload the file again. For example, if you were trying to upload to Revision 0 and the system crashes and you now see Revision 0 and Revision 1, then delete Revision 1 and try to upload to Revision 0 again. If you still have problems uploading, contact LDEQ (see [Section 1.3](#))

If you need help with uploading a spreadsheet or have errors that you need assistance with, copy and paste the error into an email, along with the AI number, and attach the spreadsheet and send it to the appropriate LDEQ staff (see [Section 1.3](#)).

3.10 Downloading a Reconciliation Report

When an inventory is created or revised in ERIC (starting in reporting year 2011), the new inventory contains the data from the ERIC inventory for the base year selected. TEMPO data (i.e., data from the LDEQ permitting system) is not automatically incorporated into the new inventory, with the exception of portions of the Facility form and the Contact records for the Emissions Inventory Contact and the Emissions Inventory Billing Party.

ERIC now contains a feature called the Reconciliation Report that displays the current contents of the ERIC inventory along with an extract of emissions-related items from the most current data in the TEMPO Master File. The Master File reflects the most up-to-date data that LDEQ has on file for the equipment and operations permitted for the AI. This report provides the user with a valuable resource for comparing the contents of ERIC and TEMPO. There are several key data elements that provide cross-referencing between the inventory items and the corresponding Subject Items in the TEMPO permit documents, for example the Subject Item ID field on the ERIC Source Info form.

From the ERIC Home page, choose the inventory you will be working on by clicking the Edit button. Click on the *Download Reconciliation Report* link at the top left of the Inventory Home page to download the file. Follow the same steps as downloading an inventory in [Section 3.8](#) to save this file.

The reconciliation report looks identical in structure to the ERIC inventory download. It consists of a Microsoft Excel workbook with worksheets for each portion of the ERIC inventory (contacts, sources, etc). On each tab, an additional column (Data Source) is included that identifies whether a row was extracted from ERIC or from TEMPO. The individual worksheets can be sorted to group the ERIC records together, then the TEMPO records, or to intersperse the records based on other fields to compare pairs of rows, each consisting of one ERIC record and the corresponding TEMPO record (e.g., sort the source tab rows by EI# Number and then Data Source).

Below is an example of the Sources tab of a reconciliation report, sorted by EIQ Number and Data Source:

	A	B	C	D	E	F	G	H	I
	Data Source	Source ID	NEDS Point ID	Subject Item ID	Source Description	Source Type	Permit Number	EIQ Number	Serial N
2	ERIC	SR0016	16	RLP0000000018	Misc. Insignificant Heaters	Insignificant Activities	2540-00003-V2		
3	ERIC	SR0017	17	RLP0000000019	Misc. Insignificant Oil Storage Tanks	Insignificant Activities	2540-00003-V2		
4	ERIC	SR0018	18	EMS0000000007	Emergency Generator (during 2006 Hurricane Gustav)	Internal combustion eng	2540-00003-V2		
5	TEMPO	SR0016	16	RLP0000000018	Misc. Insignificant Heaters	Insignificant Activities	2540-00003-V1		
6	TEMPO	SR0017	17	RLP0000000019	Misc. Insignificant Oil Storage Tanks	Insignificant Activities	2540-00003-V1		
7	TEMPO	SR0018	18	EMS0000000007	Emergency Generator (during 2006 Hurricane Gustav)	Internal combustion eng	2540-00003-V1		
8	ERIC	SR0014	14	EMS0000000001	O A-1 AREA RELEASES	Fugitive Emissions	2540-00003-V2	A-1	
9	TEMPO	SR0014	14	EMS0000000001	O A-1 AREA RELEASES	Fugitive Emissions	2540-00003-V1	A-1	
10	ERIC	SR0011	11	EQT0000000010	Station Blowdown Vent	Other	2540-00003-V2	B-1	
11	TEMPO	SR0011	11	EQT0000000010	Station Blowdown Vent	Other	2540-00003-V2	B-1	
12	ERIC	SR0010	10	EQT0000000011	210 bbl Condensate Tank	Above ground storage ve	2540-00003-V2	C-1	
13	TEMPO	SR0010	10	EQT0000000011	210 bbl Condensate Tank	Above ground storage ve	2540-00003-V2	C-1	
14	ERIC	SR0001	1	EQT0000000001	1600 Hp 2SLB Worthington UTC-168 Compressor Engine	Internal combustion eng	2540-00003-V2	E-1	G-1967
15	TEMPO	SR0001	1	EQT0000000001	1600 Hp 2SLB Worthington UTC-168 Compressor Engine	Internal combustion eng	2540-00003-V2	E-1	G-1967
16	ERIC	SR0002	2	EQT0000000002	1600 Hp 2SLB Worthington UTC-168 Compressor Engine	Internal combustion eng	2540-00003-V2	E-2	G-1968
17	TEMPO	SR0002	2	EQT0000000002	1600 Hp 2SLB Worthington UTC-168 Compressor Engine	Internal combustion eng	2540-00003-V2	E-2	G-1968

Users can use the report as they see fit by either ignoring the differences, correcting the data in the inventory in ERIC to correspond to what is in TEMPO, or contacting LDEQ (see [Section 1.3](#)) to determine the best mechanism to have the information in TEMPO corrected to correspond to what is in the inventory in ERIC.

If the reconciliation report does not contain any items from ERIC, then the ERIC inventory from which the reconciliation report was downloaded is empty.

If the reconciliation report does not contain any items from TEMPO, then the AI has not had any ERIC items from ERIC inventories migrated to TEMPO or the ERIC items in TEMPO have been end-dated.

3.11 Emissions Inventory Validation

[Section 5](#) provides details on the validations that are applied to each data element in each category in the inventory, as well as additional validations that are applied within a category or across categories. These validations are applied in different ways at each stage of the inventory development and submittal process. The key design philosophy is to provide you with information about potential issues with the inventory as you are developing it, but to allow you to enter and save potentially invalid data that you can revise later (but before submitting the inventory to LDEQ). Then (for current reporting year inventories) the full set of validations is applied at the time you submit your inventory.

The three stages of inventory development are:

- Online & Microsoft Excel workbook data entry (described in [Section 4](#));
- Inventory upload in Excel format (described above in [Section 3.9](#)); and
- Inventory submittal (described below in [Section 3.12](#)).

Validations during online data entry include valid value and range checks, as well as inventory consistency (for example, you cannot enter a source ID on a process record if the source ID does not exist in the inventory). However, you are not forced to enter all required fields before saving a web data entry form so that your data can be saved in an incomplete state. Also, if you have pulled forward an older inventory that contains drop down selections that have been made inactive, you are not forced to update those selections at the time you save each screen of data. Finally, the validations that apply across records and across the entire inventory are not applied during data entry to allow you to correct each screen in the desired sequence.

For example, there is a validation check that sources with an Idle status do not have emissions records. If you switch the status of a source to Idle before deleting the associated emissions records, the online data entry form will not stop you with a validation error message. You can set the source to Idle, and then later delete the associated emissions record.

For current reporting year inventories, validations during the Excel upload are similar to those applied during web data entry. Some additional validations that apply to combinations of fields and records are applied during the upload, such as a comparison of the entered flow rate on a release point to the calculated flow rate based on diameter and flow rate. These additional validations are applied but are only reported to you as warnings so they do not prevent uploading the new inventory data.

The full set of validation rules is applied at the time you submit your inventory to LDEQ, as described in [Section 5](#) and [Appendix A](#).

New inventories and revisions submitted for the current reporting year are subjected to the full list of validations specified in [Section 5](#), and all data fields in the inventory are validated. For prior year inventories, the validations may be limited based on the type of submittal and the age of the inventory. Certain validation rules are considered “configurable” by LDEQ – that means that LDEQ can optionally “turn off” those validation rules for older inventories. In addition, certain types of inventory revisions are only validated for the data fields that changed from the original submittal (i.e., unchanged data fields do not need to meet the current validation criteria).

The Current Reporting Year in ERIC is advanced on October 1st of each calendar year. So from October 1st 2012 through September 30th 2013, the Current Reporting Year is 2012. Starting October 1st 2013, the Current Reporting Year will change to 2013.

The rules as to what will be validated for a specific inventory submittal are as follows:

Current Reporting Year

New Inventory - **ALL validations** applied to **ALL data fields**

Revision - **ALL validations** applied to **ALL data fields**

Up To Four Years Prior

New Inventory - **ALL validations** applied to **ALL data fields**

Revision - **ALL validations** applied to **CHANGED data fields**

More Than Four Years Prior

New Inventory - **PARTIAL validations** applied to **ALL data fields**

Revision - **PARTIAL validations** applied to **CHANGED data fields**

The term “PARTIAL validations” includes all “non-configurable” validations (i.e., validation rules that LDEQ cannot turn off) plus all “configurable” validations that are set to be included for prior year revisions.

The validations details table in [Appendix A](#) explains which validations can be configured by LDEQ for prior year submittals; however, you will need to contact LDEQ (see [Section 1.3](#)) to find out which validations are set to be included and which are excluded. Remember that any validations that are not listed as configurable WILL be applied to prior year inventories.

3.12 Emissions Inventory Submittals

The process for submitting an Emissions Inventory to LDEQ in ERIC requires four steps:

1. Review your inventory summary.
2. Pass all online validation checks.
3. Submit the inventory.
4. Print your certification statement, have it signed by the Responsible Official, and mail it to LDEQ.


These steps are described in more detail below.

3.12.1 Reviewing Your Emissions Inventory

From the ERIC Home page, click the *Summary* link on the inventory row that you want to submit. You will see the inventory summary page:

Emissions Reporting and Inventory Center

Inventory Summary - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

 Home

Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Your inventory contains the following:

Inventory Summary		
3 Contacts	26 Sources	23 Processes
55 Emission Factors	32 Release Points	0 Portable Locations
2 Control Systems	13 Control Efficiencies	134 Emissions Records

Criteria Pollutants		
Pollutant	Total Emissions (tons)	Ozone Season Emissions (lb/day)
Carbon monoxide (CO)	23.87	130.79096
Nitrogen oxides (NOx)	23.56	129.103698
Particulate matter (10 microns or less) (PM10)	43.78	239.898494
Sulfur dioxide (SO2)	0.2	1.203919
VOC, Total	24.459	134.162209

HRVOC Pollutants		
Pollutant	Total Emissions (tons)	Ozone Season Emissions (lb/day)
Ethylene	0.503656	3.506

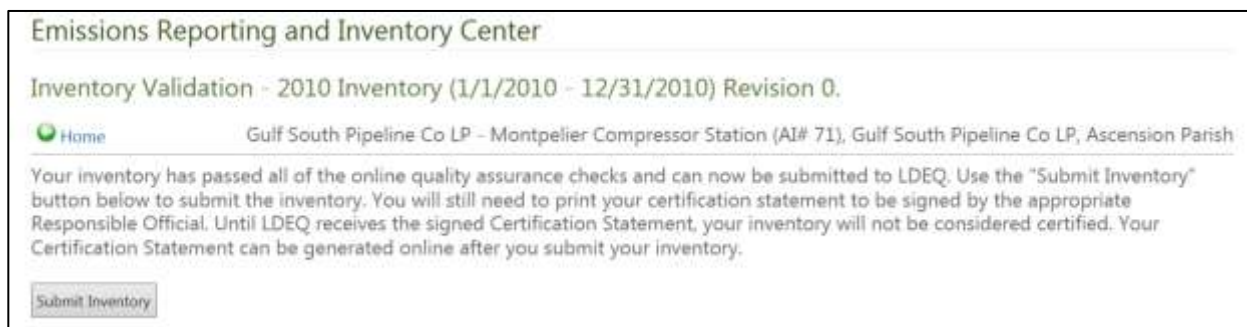
Toxic Air Pollutants		
Pollutant	Total Emissions (tons)	Ozone Season Emissions (lb/day)
Benzene	8768.1	24.023149
Cumene	4.29	0.011753
Ethyl benzene	1598.067	4.387551
Styrene	658.366	1.817845
Toluene	7937.363	21.765259
Xylene (mixed isomers)	1081.892	2.974605

Run Validation Checks

The summary screen shows the data element groups that comprise the inventory, and a summary of total annual (or reporting period) emissions by pollutant grouped into criteria pollutants, Highly Reactive VOCs (HRVOCs) and TAPs. The criteria pollutant and HRVOC totals are reported in tons, whereas the TAP totals are reported in lbs.

3.12.2 Validation Checks

Click on the *Run Validation Checks* button to run the built-in data validation procedures in ERIC. If no errors are found, you will be presented with a button to submit the inventory and download your certification statement:



Emissions Reporting and Inventory Center

Inventory Validation - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

[Home](#) Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Your inventory has passed all of the online quality assurance checks and can now be submitted to LDEQ. Use the "Submit Inventory" button below to submit the inventory. You will still need to print your certification statement to be signed by the appropriate Responsible Official. Until LDEQ receives the signed Certification Statement, your inventory will not be considered certified. Your Certification Statement can be generated online after you submit your inventory.

Note that you can still proceed with the submittal even if there are Warnings on the inventory validation summary. Clicking the *Submit Inventory* button will formally submit the data to LDEQ. You will be presented with a summary of the Facility Information, owner Information, EI Facility Contact Information, and EI Billing Party Information associated with the inventory which you must confirm in order to submit the inventory. If the information is incorrect on the confirmation screen, you must click Cancel and you can return to the inventory to correct the information. If the information is incorrect, you should not submit.

Emissions Reporting and Inventory Center	
Submittal Details - 2007 Inventory (1/1/2007 - 12/31/2007) Revision 1.	
Home	Deltech Corp - Baton Rouge Facility (AI# 248), Deltech Corp, East Baton Rouge Parish
Please confirm that the following Facility, Owner, and Contact information from TEMPO are correct before completing the submittal process. Once your inventory is submitted, this data will become part of your certified inventory.	
Facility Information	
Facility Name:	Deltech Corp - Baton Rouge Facility
Operator:	Deltech Corp - From 1/9/1989
Physical Address1:	11911 Scenic Hwy
Physical Address2:	
Physical Address3:	
City, State, Zip:	Baton Rouge, Louisiana 70807
Parish:	East Baton Rouge
Longitude:	-91.200536
Latitude:	30.552892
UTM Easting:	672597.825436906
UTM Northing:	3381430.89730677
UTM Zone:	15
Datum:	NAD83
Primary SIC Code:	2869
Primary NAICS Code:	325110
ORIS Code:	
Owner Information	
Owner Name:	Deltech Corp
Mailing Address1:	11911 Scenic Hwy
Mailing Address2:	
Mailing Address3:	
City, State, Zip:	Baton Rouge, Louisiana 70807
Phone:	2257750150
EI Facility Contact	
Name:	Kane, Timothy
Title:	Environmental Program Analyst
Company Name:	
Address1:	11911 Scenic Hwy
Address2:	
Address3:	
City, State, Zip:	Baton Rouge, Louisiana 70807
Email:	tkane@deltechcorp.com
Phone:	2253583180
Note, either an email or a phone number is required but not both.	
EI Billing Party	
Name:	Kane, Timothy
Title:	Environmental Program Analyst
Company Name:	Deltech Corp
Address1:	11911 Scenic Hwy
Address2:	
Address3:	
City, State, Zip:	Baton Rouge, Louisiana 70807
<input type="button" value="Confirm and Submit Inventory"/> <input type="button" value="Cancel"/>	

After you click the *Confirm and Submit Inventory* button, you will see a confirmation screen that your inventory was submitted successfully, and you will be provided a link to generate your certification statement:

Emissions Reporting and Inventory Center

Submittal Complete - 2007 Inventory (1/1/2007 - 12/31/2007) Revision 1, Submitted 9/26/2013.

[Home](#) Deltech Corp - Baton Rouge Facility (AI# 248), Deltech Corp, East Baton Rouge Parish

Thank you for your submittal. Please use the link below to generate your certification statement. This document needs to be signed by the designated Responsible Official and sent to LDEQ.

Note: If any contact information is missing on the generated certification statement, you should complete it manually after printing the document.

[Generate Certification Statement](#)

ERIC will present you with a file download dialog for the certification statement as a PDF file. Make sure you click Save and save the PDF file to a location on your computer. You can then open the saved file and print it for signature and delivery to LDEQ. If you do not see the file download dialog, check your browser security settings as some browsers block file downloads when set to higher security modes.

At any time, you may click the Summary link from the ERIC home page on a submitted inventory to re-download the certification statement (the original UNSIGNED copy, not the final signed copy):

Inventory Summary - 2006 Inventory (1/1/2006 - 12/31/2006) Revision 1, Submitted 9/6/2007.

[Home](#) Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

Your inventory contains the following:

Inventory Summary		
2 Contacts	17 Sources	17 Processes
46 Emission Factors	17 Release Points	0 Portable Locations
0 Control Systems	0 Control Efficiencies	69 Emissions Records

Criteria Pollutants		
Pollutant	Total Emissions (tons)	Ozone Season Emissions (lb/day)
Carbon monoxide (CO)	189.969	1723.423
Nitrogen oxides (NOx)	911.951	7234.277
Particulate matter (10 microns or less) (PM10)	13.7383	106.053
Particulate matter (2.5 microns or less) (PM2.5)	13.5983	105.285
Sulfur dioxide (SO2)	0.16701	1.315
VOC, Total	70.7139	524.9074

HRVOC Pollutants		
No HRVOC pollutants reported		

Toxic Air Pollutants		
No toxic air pollutants reported		

[View Certification Statement](#)

If there are validation errors after clicking Submit Inventory, you will be presented with a detailed summary of the errors. The summary lists two groups of messages. The first group includes Warnings – items that may require additional examination but will not prevent you from submitting your data. These are displayed first, followed by Errors. If your inventory has any validation errors, you will need to fix them before you submit the data.

Emissions Reporting and Inventory Center

Inventory Validation - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.

[Home](#) Gulf South Pipeline Co LP – Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish

There were 4 warnings in your inventory:

NOTE: warnings indicate data that you may need to double check in your inventory, but do not necessarily mean that there are errors or problems with your data. If you have reviewed these warning messages and confirmed that your data is correct, you can submit your inventory as long as there are no errors indicated.

- Release Point RP0002: Calculated flow rate (1.55508836) and entered flow rate (3.75) differ by more than 5%.
- Release Point RP0004: Calculated flow rate (1.55508836) and entered flow rate (2.65) differ by more than 5%.
- Release Point RP0007: Calculated flow rate (1.55508836) and entered flow rate (2.65) differ by more than 5%.
- Release Point RP0010: Calculated flow rate (17.27875959) and entered flow rate (0.0750) differ by more than 5%.

There were 4 errors in your inventory:

- Sources: SIC Code is missing on SR0006.
- Sources: SIC Code is missing on SR0009.
- Processes: SCC Code is missing on PR0004.
- Processes: SCC Code is missing on PR0009.

Please use the Back link above to go to the ERIC home page, then edit your inventory to correct these errors.

3.12.3 Submitting Certification Statements

The data being submitted in ERIC is required to be certified by a Responsible Official of the facility. The unsigned Certification Statement will be available for downloading on the Summary page of an inventory after it is successfully validated and submitted in ERIC. Upon successful download of the Certification Statement, the form needs to be printed and signed by the Responsible Official, preferably in blue ink, and postmarked by the deadline. LDEQ will NOT accept any other versions of the certification statement, i.e. certification statements from the legacy systems. An inventory is not considered complete until receipt of the signed Certification Statement with an original, wet ink signature. LDEQ does not accept faxed, copied, printed (from a printer) or stamped signatures. LDEQ requires wet ink, original signatures on the certification statement in order for the inventory to be certified.

If the certification statement contains any information that is incorrect, you must revise the inventory in ERIC and correct the information. Do not mark up the certification statement with the correct information before sending to LDEQ.

Responsible Official names are not stored in ERIC, therefore, they will have to sign and print their name on the Certification Statement. There can be more than one Responsible Official for an individual site.

The online certification feature is currently disabled. When LDEQ receives CROMERR approval for the ERIC application from EPA, this manual will be updated with instructions for completing online certification.

4 Data Entry in ERIC

This section describes the contents of an ERIC Inventory, and the tools provided in ERIC for accessing and editing data. [Section 4.1](#) describes the general content of the emissions inventory, and [Section 4.2](#) and [Section 4.3](#) describe data entry using online forms and Microsoft Excel, respectively. [Section 4.4](#) through [Section 4.8](#) provide information about how to construct an Emissions Path and gives examples of how to report Emissions Paths for common equipment configurations.

4.1 Data Elements in an ERIC Inventory

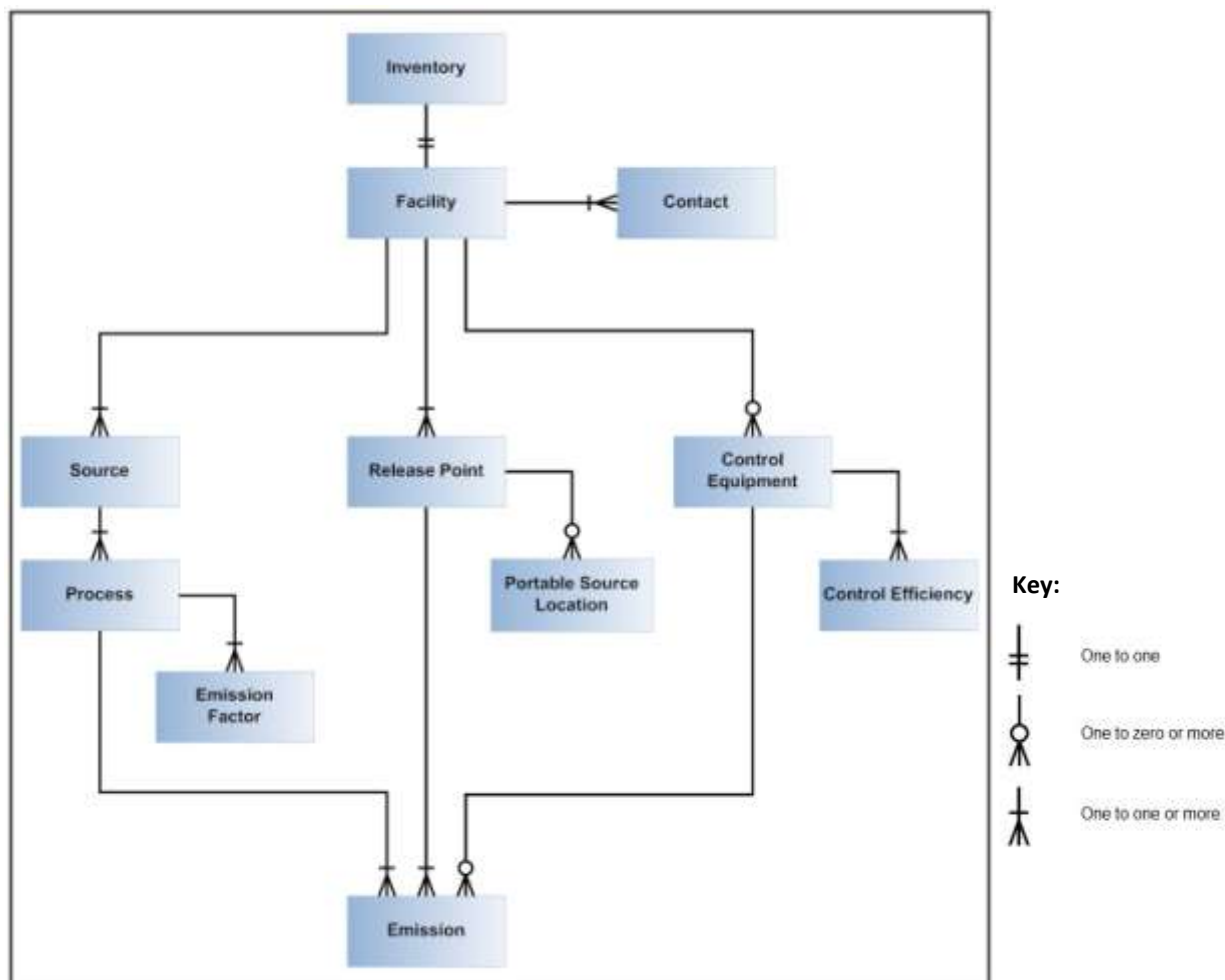
Each Emissions Inventory is composed of several groups of records. These groups are:

- Facility– one record that describes the facility.
- Contact– one record for each contact person associated with the inventory. Must include the Facility EI Contact and EI Billing Party. Can also include other contacts such as consultants.
- Source– one record for each piece of equipment, unit, or activity, etc. that generated emissions reported in the inventory.
- Process– one or more records per source describing the operating mode, material, throughput, or activity that form the basis for the emissions calculations for the source.
- Emission Factors – one record per pollutant for Source/Process combinations where an emission factor was used to calculate the reported emissions.
- Control System– one record for each control system that was active in controlling the reported emissions.
- Control Efficiencies – one record per pollutant for each control system where the emissions calculation included an explicit control efficiency value.
- Release Point– one record for each location (stack, vent, area, etc) where emissions were released to the atmosphere.
- Portable Source Locations – one or more records for each release point at a portable AI that describe the locations of the release points during the reporting period.
- Emissions – one record for each pollutant emitted by each Emissions Path at the AI. See below for a discussion of the Emissions Path.

The records are grouped on the Inventory Home page in a set of tabs across the top of the screen.

The data element groups are hierarchical in nature – each process record applies to a specific source, each control efficiency record applies to a specific control system, etc. The hierarchy is shown in the figure below. Details on the specific elements in each group are provided in [Section 5](#). The tabs provided on the ERIC Inventory Home page provide access to data entry forms for each of the data element groups. The remainder of this section describes the operation of the ERIC data entry forms in general.

Hierarchy and Relationship of Data Elements in ERIC



The symbols used to display the relationships between the different entities in the ERIC database have the following meanings:

- there is a “one to one” relationship between the inventory and the facility record (each inventory has exactly one copy of the facility information);
- there is a “one to one or more” relationship between the facility and the source (so each facility must have at least one source and can have more than one); and
- there is a “one to zero or more” relationship between the facility and the control equipment (so each facility can have no control equipment, or they can have one or more pieces of control equipment).

4.2 ERIC Data Entry using Online Forms

All data entry required to complete and submit your ERIC inventory can be completed using forms provided on the ERIC website. Alternatively, you can enter data into an Excel workbook in a prescribed format (see [Section 4.3](#)). There are several conventions used to assist the ERIC user in navigating the site and understanding the online data entry forms. These are discussed below. To begin editing your ERIC inventory, follow the instructions given in [Section 3](#) to start a new inventory or edit an existing inventory. The discussions below assume you have reached the Inventory Home page as described in [Section 3.7](#).

4.2.1 Grid View and Form View

ERIC provides two data views – the grid view and the form view. All of the inventory tabs have a grid view except the Facility tab. This is because there is only one facility record per inventory so a grid view is not necessary. The grid view displays a summary of all of the records in a list (or grid):

Emissions Reporting and Inventory Center									
Inventory Details - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.									
Home Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish TEMPO owner dates: 7/10/2000 -									
Download Inventory Download Reconciliation Report Upload Inventory									
Facility	Contacts	Sources	Processes	Emission Factors	Control Systems	Control Efficiencies	Release Points	Locations	Emissions
Add New Source		Page Size: 20 refresh							
Source ID	NEDS ID	Subject Item ID	Description	Type	Permit #	EQ #			
SR0001	01	Not Listed	O E-1 1,600 H.P. WORTHINGTON	Internal combustion engine		E-1			
SR0002	02	Not Listed	O E-2 1,600 H.P. WORTHINGTON	Internal combustion engine		E-2			
SR0003	03	Not Listed	O E-3 1,600 H.P. WORTHINGTON	Internal combustion engine		E-3			
SR0004	04	Not Listed	O E-4 1,600 H.P. WORTHINGTON	Internal combustion engine		E-4			
SR0005	05	Not Listed	O E-5 1,600 H.P. WORTHINGTON	Internal combustion engine		E-5			
SR0006	06	Not Listed	O E-6 1,500 H.P. CLARK	Internal combustion engine		E-6			
SR0007	07	Not Listed	O E-7 1,500 H.P. CLARK	Internal combustion engine		E-7			
SR0008	08	Not Listed	O E-8 1,500 H.P. CLARK	Internal combustion engine		E-8			

The form view shows the details for a single record. In the form view, the data are presented in a tabular format:

Emissions Reporting and Inventory Center									
Inventory Details - 2010 Inventory (1/1/2010 - 12/31/2010) Revision 0.									
Home Gulf South Pipeline Co LP - Montpelier Compressor Station (AI# 71), Gulf South Pipeline Co LP, Ascension Parish TEMPO owner dates: 7/10/2000 -									
Download Inventory Download Reconciliation Report Upload Inventory									
Facility	Contacts	Sources	Processes	Emission Factors	Control Systems	Control Efficiencies	Release Points	Locations	Emissions
Indicates Required Fields		<div>Save</div> <div>Cancel</div>							
Source ID:		SR0001	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).						
NEDS ID:		01	NEDS ID from legacy EIS submittals, if available.						
Subject Item ID:		Not Listed	Subject Item ID from TEMPO if one has already been assigned to this source by LDEQ (format to a total width of 14 characters). TEMPO Subject Item List . If this source does not correspond to a listed TEMPO Subject Item, enter "Not Listed".						
Source Description:		O E-1 1,600 H.P. WORTHINGTON	NOTE - the maximum length of the source description is 100 characters.						
Source Type:		Internal combustion engine							
Permit Number:			Permit number where source is permitted, if applicable. This is required for permitted sources. List of Valid Air Permit Numbers .						

Each row in the table represents one field on the record. Each row follows the same pattern – the first column shows the name of the data field, the second column displays the field value, and the third column provides helpful narrative or descriptive text on the requirements for the field:

Primary SIC Code:	4922	4-digit SIC code for the primary activity at the facility. SIC Code Reference
--------------------------	------	---

The form view has two display modes: View and Edit. In View mode, you cannot edit any of the data on the form, and you will have only a Cancel button to return to the grid view (on the Facility form there are no buttons since there is no grid view to return to). In Edit mode (which is only available to users with edit privileges on the account), there is a Save button and a Cancel button. The Save button saves any changes to the data on the form then returns to the grid view. The Cancel button returns to the grid view without saving any changes.

Form Buttons in View Mode

Facility	Contacts	Sources	Processes	Emission Factors	Control Systems	Control Efficiencies	Release Points	Locations	Emissions
Indicates Required Fields									
Source ID:		SR0001	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).						
		Cancel							

Form Buttons in Edit Mode

Facility	Contacts	Sources	Processes	Emission Factors	Control Systems	Control Efficiencies	Release Points	Locations	Emissions
Indicates Required Fields									
Source ID:		SR0001	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).						
		Save Cancel							

In Edit mode, the tabs across the top of the inventory (Facility, Contacts, etc.) and other inventory functions are also disabled. Once you have started editing a record, you MUST use either the Save or Cancel button to exit Edit mode before you navigate elsewhere or perform any other ERIC functions. The Save button writes the data on the screen to the database and replaces the prior record. The Cancel button discards your changes and the database remains unchanged.

In View mode, all of the data fields are displayed in a non-editable form. You can select and copy values on the screen, but you cannot change them. In Edit mode, the middle column changes its display to allow editing of the field values. Most fields are displayed in a simple text box – click the mouse in the box and then use the keyboard to edit the value. You can also use the tab key on the keyboard to move from field to field.

Some fields require you to select from a specific set of pre-defined values. These fields are displayed with a drop down menu listing the available values:

Release Point Description:	Test	NOTE – the maximum length of the release point description is 80 characters.
Release Point Type:	<div> Not Set Area Fugitive Stack Vent </div>	Use Area for emissions that do not occur at a well-defined point (e.g., material piles, wastewater ponds, GC-XVII activities).
		Status of the release point during the reporting year. If the release

You can click on the arrow at the right end of the drop down menu to display the available values, using the scroll bar if the list is too long for the screen. Click on an entry in the list to select it and hide the menu. You can also use your keyboard to select from the list – use the tab key to highlight the drop down menu then use the arrow keys to

scroll through the list. You can also type a letter while the menu is highlighted – this will cause the menu to jump to the first entry beginning with that letter.

4.2.2 Descriptive Text

The descriptive text in the rightmost column of the form view provides a description of the data field and what is expected in the inventory, along with helpful hints and links to additional resources for selecting the correct value:

Primary SIC Code:	4922	4-digit SIC code for the primary activity at the facility. SIC Code Reference
-------------------	------	---

If the field is required, but only under certain circumstances (e.g., the temperature is only required for stack or vent release points), the descriptive text will explain this.

Some of the data fields have online references (e.g., SIC code) – a link is provided in the descriptive text. You can click on the link to popup a window with a listing of acceptable SIC codes:

Owner Address3:

Owner City:

Facility:

Datum: NAD83

Primary SIC Code: 4922

4-digit SIC code for the primary activity at the facility. [SIC Code Reference](#)

DEQ Business Website

Emissions Reporting and Inventory Center

SIC Reference List

Sort By Description

SIC Code	SIC Description
0111	Wheat
0112	Rice

NAD83 is currently the only datum option.

4.2.3 Required Fields

When you submit an inventory to LDEQ, ERIC will check for the presence of data in a list of required fields. These fields are highlighted on the data entry forms to help reduce pre-submittal validation errors. The required field highlighting includes a different colored background and bold text:

Required →	Facility Status:	Active
	Address1:	477 Hwy 441
Not Required →	Address2:	

Note that ERIC does not give you an error message when you try to save a record that does not include all of the required fields. This is because you may not have all of the required data when you begin data entry for your inventory. You can partially complete the various records and ERIC will not check for the required fields until you run the validation checks. There are some on-screen data validation checks such as date format checks, numeric value checks, and duplicate value checks. The way that ERIC reports these validation checks to you is discussed below.

The fields in yellow on the ERIC web application are the currently required data elements. These may change in future reporting years, and LDEQ will provide information about any specific changes to the data elements as early as possible before a new reporting period.

If a value is missing from a dropdown list or a reference sheet, please email LDEQ (see [Section 1.3](#)) and request that it be added. Until it is added, you can select *Other*, if available, or the next best option.

4.2.4 Form-Level Error Messages

The data entry forms in ERIC provide immediate data validation when you save a record. When in a data entry form, ERIC does not check that all of the required fields are populated, but it does check for valid date formats, duplicate ID values, and so forth. These errors are reported at the top of the form or just under the data field when you click the Save button, see below. The record is not saved until these errors are fixed – correct the data and click the Save button again.

Facility	Contacts	Sources	Processes	Emission Factors	Control Systems	Control Efficiencies	Release Points	Locations	Emissions										
<p>Please correct the following errors and resubmit the form:</p> <ul style="list-style-type: none"> Error - that Source ID has already been used in this inventory. 																			
<table border="1"> <tr> <td>Indicates Required Fields</td> <td colspan="2"></td> <td>Save</td> <td>Cancel</td> </tr> <tr> <td>Source ID:</td> <td>SR0001</td> <td>×</td> <td colspan="2">This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).</td> </tr> </table>										Indicates Required Fields			Save	Cancel	Source ID:	SR0001	×	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).	
Indicates Required Fields			Save	Cancel															
Source ID:	SR0001	×	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).																

4.2.5 Field-Level Error Messages

Most of the fields on the ERIC data entry forms have some level of basic validation, such as checking that numeric fields contain valid numbers. These errors are reported as soon as you leave the field (either by tabbing to the next field, clicking on another field with the mouse, or clicking on the Save button). These validation errors are reported below the offending field value:

Flow Rate:	<div>test value</div> <div>Please enter a valid number</div>	Exit gas flow rate in cubic feet per second . Required for stack and vent release point types. Maximum of eight decimal places.
Flow Rate Units:	ft ³ /sec	You must select ft ³ /sec (actual).

4.2.6 Grid View

All of the data element groups except Facility begin with the Grid View. This view shows a listing of all of the records for that group in the inventory, but gives only a summary of the data for each record. You can quickly scan through the records to find a particular record you want to edit or delete, or you can add new records. All grid views include a button at the top left of the grid that allows you to add new records.

Facility

Contacts

Sources

Processes

Emission Factors

Control Systems

Control Efficiencies







Release Points

Locations

Emissions

Add New Release Point

Page Size: 25 refresh

Release Point ID	Subject Item ID	Description	Release Point Type	
RP0001		Test	Stack	  
RP0002		Test	Stack	  

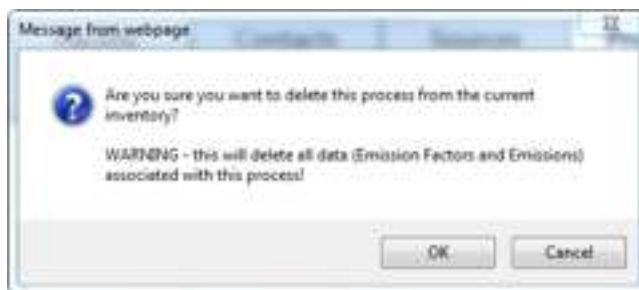
The Grid View displays three buttons in the rightmost column – View/Edit, Duplicate, and Delete. Hold the mouse over any of these buttons briefly and the button name will appear. The View/Edit button will display “View” if the inventory cannot be edited (it has already been submitted, or you do not have editing privileges), otherwise it will display “Edit.”

Release Point Type				
Stack				
Stack				

View/Edit
Duplicate
Delete

Clicking View/Edit brings up the Form View for the selected record. If you have editing privileges, clicking the Duplicate button also brings up the Form View, but the record listed is a new (unsaved) record that contains a copy of the row you clicked. You can use this button to quickly create a number of similar records – simply click the Duplicate button, change the particular fields that are different for this record, and click Save.

If you have editing privileges, the Delete button will delete the row you clicked. You are always provided a warning dialog asking if you want to delete the record. If there are dependent data, you will also be informed of exactly what ERIC will delete if you proceed. For example, if you delete a process record, ERIC warns you that proceeding will also delete the associated Emission Factor records and Emissions records for that source.



Simply click Cancel in the warning dialog to abort the deletion – the data remain unchanged.

4.2.7 Grid Sorting and Paging

Many of the grid views in ERIC may contain a large number of records. To assist you in managing these records, you can sort any ERIC grid view by clicking on the column header you wish to sort by. The first time you click a column header, ERIC will sort the data in ascending order on that column. If you click the same column header again, ERIC will sort the data in descending order on that column.

Facility	Contacts	Sources	Processes	Emission Factors	Control Systems	Control Efficiencies	Release Points	Locations	Emissions
Add New Source		Page Size: 20 refresh							
Source ID	NEDS ID	Subject Item ID	Description	Type	Permit #	EQ #			
SR0001	01	Not Listed	O E-1 1,600 H.P. WORTHINGTON	Internal combustion engine		E-1			
SR0002	02	Not Listed	O E-2 1,600 H.P. WORTHINGTON	Internal combustion engine		E-2			
SR0003	03	Not Listed	O E-3 1,600 H.P. WORTHINGTON	Internal combustion engine		E-3			

By default, ERIC displays 20 records per page in the grid views. You can modify this setting for any grid view using the paging control at the top right of the grid. Type the number of records per page you wish to see in the text box, and click the refresh link to update the display.

Facility	Contacts	Sources	Processes	Emission Factors	Control Systems	Control Efficiencies	Release Points	Locations	Emissions
Add New Source		Page Size: 20 refresh							
Source ID	NEDS ID	Subject Item ID	Description	Type	Permit #	EQ #			
SR0001	01	Not Listed	O E-1 1,600 H.P. WORTHINGTON	Internal combustion engine		E-1			
SR0002	02	Not Listed	O E-2 1,600 H.P. WORTHINGTON	Internal combustion engine		E-2			
SR0003	03	Not Listed	O E-3 1,600 H.P. WORTHINGTON	Internal combustion engine		E-3			

At the bottom of the grid, ERIC displays a listing of page numbers. Click on a page number to move to that page of data. Click on the < or > link to move to the next or previous page, and click on the << and >> links to move the first or last page.

SR0002	PR0002		RP0002		Particulate matter (2.5 microns or less) (PM2.5)	1.501 tons			
1 2 3 4 5 > >>									

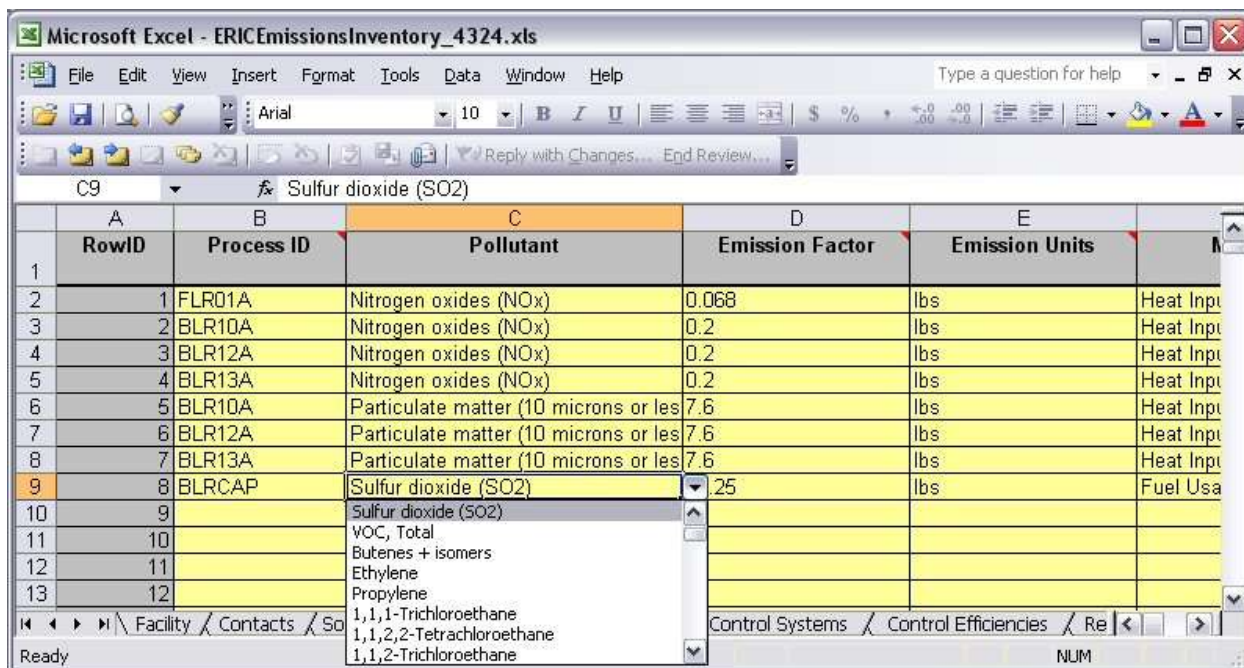
When you change a page setting on a grid, ERIC remembers this new setting and applies it when you next visit the grid view. ERIC saves your paging preferences separately for each grid view. However, if you clear your browser history and cookies, the paging preferences will be lost.

4.3 ERIC Data Entry Using Excel

Instead of editing data one record at a time using the online forms, you can download all of your inventory data to a pre-formatted Microsoft Excel workbook and edit the data offline. Follow the instructions in [Section 3.8](#) to download your current inventory data.

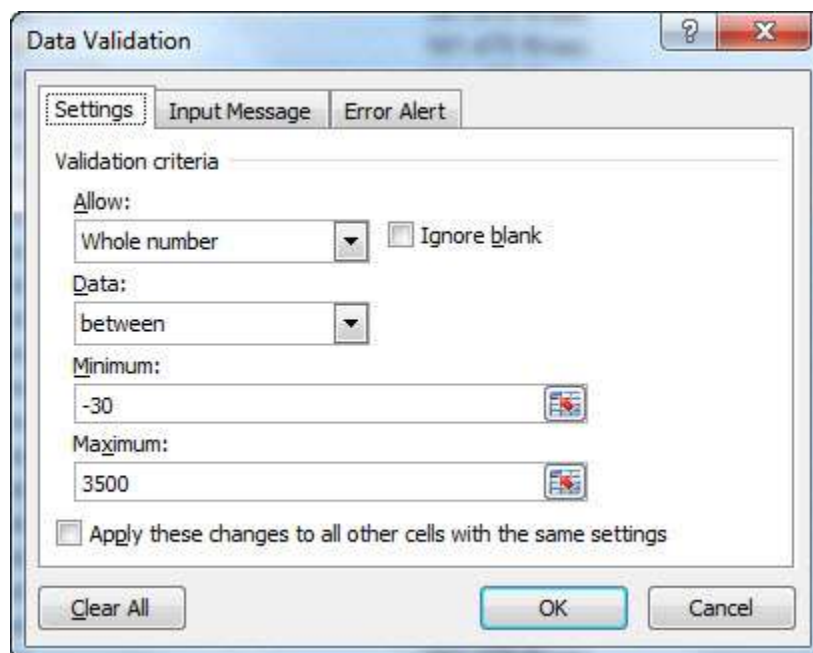
The downloaded Excel workbook contains separate worksheets for each data element group in the inventory (Contacts, Sources, Processes, etc). The column headers on each worksheet match the rows on the corresponding online data entry form. You may consult the online hint text for each field, which explains the purpose and desired content in the column.

In cells where you must pick from a list of specific values (e.g., source type, pollutant, etc), the Excel worksheet provides a drop down menu of acceptable values:



The list of values that make up each drop down menu is provided (in read-only form) on the last tab of the workbook (labeled Lookups). Although you cannot edit these values, you can copy the data from the worksheet for use in any data mapping programs that you are using.

There are many other simple data validation rules implemented in the Excel workbook – in general these are the same as the validation rules for the field on the corresponding online data entry form. Note, however, that these are provided for convenience only and the upload process and inventory submittal process apply a more robust set of validations to your inventory data. If you would like to see the built-in data validation rule in Excel for any column, simply highlight a cell in that column (not the column header) and select the Validation command from the Data menu (or Data panel). The following example shows the Excel validation rule for the Exit Gas Temperature column on the Release Points worksheet:



The data validation screen above shows a rule that values in the Exit Gas Temperature column must be a whole number between -30 and 3500.

You can construct your own spreadsheet for uploading to ERIC; however there are a number of restrictions that you must observe:

1. The tabs must appear with exactly the same names (spelling, capitalization) as in the ERIC Microsoft Excel workbook.
2. On each tab, the column headers must exactly match the column headers in the ERIC Microsoft Excel workbook; however, the columns may appear in any order. For your reference, the exact column names for each tab are listed on the Column Headers tab.
3. Percentage columns in the Excel worksheets must be stored as fractions (they are entered as percentages on the ERIC online forms). For example, an annual average sulfur content for fuel of 0.05% would be entered as 0.05 on the ERIC online forms, and would appear as 0.05% in the ERIC Microsoft Excel workbook, but in an unformatted Excel cell, the value must be stored as 0.0005.
4. The cells for which a drop down menu is provided must contain values that appear on the corresponding list from the Lookups tab. If not, the data will be rejected when you attempt to upload it.

You can delete the cell contents. The inventory upload process ignores rows that are empty.

Another useful feature is the Fill Down command in Excel. If you are creating a large number of very similar rows, you can create the first row, and then use the Fill Down command (located in the Edit menu in Excel 2003, and on the Editing panel for newer versions of Excel) to copy the data to additional rows. You can then edit only the values on each row that need to change.

You can use formulae in the Excel worksheets – the values calculated in each cell will be imported to ERIC when you upload the spreadsheet.

4.4 What is an Emissions Path?

The Emissions Path is a detailed representation of the path of a pollutant from the point where the emissions are created or generated to the point when the emissions are released into the atmosphere. The Emissions Path is composed of the following components:

- A **Source** that represents the equipment, unit, or activity that generates the emission(s);
- A **Process** that describes the specific operational mode, material, throughput, or activity that forms the basis for the emissions calculation for the source;
- A **Control System** (if present) to which the emissions are routed for control; and
- A **Release Point** is the location where the emissions are released to the atmosphere.

In the case of a portable AI, the Emission Paths will also include location records indicating where the AI was operating during the reporting period.

An Emissions Path **MUST** include the Source, Process, and Release Point. A Control System record should only be included if present and active in controlling the pollutant(s) emitted.

Each of these components is enumerated in the ERIC Inventory. The individual sources, processes, control systems, release points, and locations are identified uniquely using a six-character ID.

While the Emissions Path concept is a powerful and flexible way to represent a number of different configurations, it is not particularly intuitive for situations where the source, control system, and release point are not distinct units. For example, a spray booth that has a built-in filter and vent is viewed as a single piece of equipment, but actually incorporates the source, control system, and release point.

In such cases, remember that while the information for the different components of the Emissions Path are separated out onto different records, the records can all represent the same piece of equipment. Conversely, where a single distinct component exists (e.g., a thermal oxidation unit that controls gas emissions from a number of different process units) it only needs to be entered once and then it can be referenced by its ID on all of the emissions records where it is part of the Emissions Path. For example, the thermal oxidation unit that is controlling emissions from multiple sources would only need to be entered once as a Control System in the ERIC inventory and then its Control System ID would be listed on Emissions Paths for each of the Sources it controls.

4.5 Component IDs

As mentioned above, each component in the Emission Path is labeled with a unique identifier. These identifiers are created by the reporting AI. Identifiers can consist of up to six characters (numbers, letters, or symbols). The identifier assigned to a component (source, process, control system, etc) must remain constant for that component over time. In addition, the identifiers must be unique throughout the inventory.

The ID values are created by the AI, so any scheme can be used that is useful to the AI staff, provided it does not exceed six characters. The ID value assigned to a particular component must remain the same over the life of that component. For example, if a generator is entered as a source and is labeled GEN043, subsequent ERIC inventories that include emissions from that generator must also refer to it as GEN043. If it is replaced by an identical unit, the new unit must have a new ID value (e.g., GEN051).

You may use the same identifier for different components – for example, if you have a reactor vessel with a dedicated release point, you can label both items (source and release point) with the identifier REACT3. This may aid you in identifying common equipment, or you may choose to give each component a different ID (e.g., RCT003 for the reactor and STK021 for the release point).

4.6 Relationship of ERIC Data to Legacy NEDS Points

Each NEDS ID in the legacy EIS and TEDI systems is now represented by a Source record AND a Release Point record. During migration of the historic EIS and TEDI system data, if the NEDS ID data included control equipment, then one or more Control System records have also been created. Users should expect to see these different items in an historic inventory migrated to ERIC from a legacy system and that has not been revised. The Source records are mapped to the Subject Item ID and Permit Number where possible.

If a NEDS ID does not exist, you do not assign a new one. The NEDS ID will be for reference purposes only with regards to the legacy EIS and TEDI systems.

4.7 Emission Path Examples

Two examples are provided to assist the reader in understanding how the various records in ERIC are used.

4.7.1 EXAMPLE 1: Spray booth with filter and roof vent.

In this example, the emissions are being reported for a coating spray booth. The booth is self-contained and is equipped with a filter and a roof vent. This scenario is represented in the inventory by a Source record that describes the spray booth, a Control System record that describes the filter, and a Release Point record that describes the roof vent.

There may be several Process records defined for this source that represent different coating materials. Each Process record will describe the throughput of the specific coating material throughout the year and the operating parameters for the spray booth while using that material.

Emission Factor records will be attached to the Process record defining the emission factors for various pollutants for the spray booth while spraying that material.

Since the booth is not movable, the Release Point record will define the location and no portable source location records will be required (portable source location records are used to provide the coordinates of an emissions source that changes location over the course of the inventory reporting period).

The Control System record will describe the characteristics of the filter, and individual control efficiencies for different pollutants will be recorded in the associated Control Efficiency records.

In generating IDs for these records, the AI is free to choose identifiers that they find useful. For example, the AI may choose to use the same identifier (e.g., SPB003) for the Source ID, Release Point ID, and Control System ID to remind themselves that all of the records apply to the spray booth. Alternately, they might choose to combine more information into the IDs:

Source ID	SPB003
Control System ID	SPBFL3
Release Point ID	SPBVT3

How the IDs are used is dependent on the number of each type of source at the AI and how the AI wishes to use the IDs (the only restriction is that the IDs MUST remain the same over time for the same equipment – once the booth has been reported as SPB003, the identifier cannot be changed).

Let's assume that there are two processes for the spray booth (representing two different coatings) – CT0001 and CT0002. Both of these Process records are specifically tied to SPB003 since they list the spray booth ID on the Process record. The Emissions Path for the spray booth while using the first coating material is listed as:

SOURCE	PROCESS	CONTROL	RELEASE POINT
SPB003 -> CT0001 -> SPBFL3 -> SPBVT3			

The Emissions Path for the spray booth while using the second coating material is listed as:

SOURCE	PROCESS	CONTROL	RELEASE POINT
--------	---------	---------	---------------

SPB003 -> CT0002 -> SPBFL3 -> SPBVT3

These are the IDs listed on the emissions records, and they indicate that the reported emissions came from spray booth *SPB003* while operating process *CT0001*; emissions were controlled by the filter *SPBFL3* and released through the vent *SPBVT3*.

Using the examples above, the emissions records will include the Emissions Path, the pollutant, and the tons (or pounds) of pollutant as follows:

SOURCE	PROCESS	CONTROL	REL. PT.	POLLUTANT	EMISSIONS
--------	---------	---------	----------	-----------	-----------

SPB003 -> CT0001 -> SPBFL3 -> SPBVT3 -> VOC, Total -> 100 tons

SPB003 -> CT0002 -> SPBFL3 -> SPBVT3 -> VOC, Total -> 10 tons

These examples do not show all of the fields required on the full emissions record (e.g., Emission Type, Estimation Method). The full details are provided in [Section 5.10](#), but are abbreviated here for clarity in explaining the meaning of the Emissions Path.

4.7.2 EXAMPLE 2: Reactor with 2 Different Processes, Control Devices and Release Points

In this example, the reactor is used to make two different products during the year. When making the first product, emissions are routed through a scrubber for control during normal operations but to a flare during startup activities. The scrubber is routed to a release point that receives vents from other points in the facility. When making the second product, the scrubber is bypassed and emissions from the reactor are routed to a vent header that routes to the flare, which controls multiple vents at the facility.

The reactor itself is described in the Source record. Because each product uses a different combination of raw materials with a unique set of emissions factors, each is defined in the inventory by a separate Process ID. Each control device, the scrubber and the flare, is identified by a separate Control System record. The Control System record is independent of the Source record but is associated with the Source on the relevant Emissions record. Note that in this example, the flare receives emissions from other Sources as well, so this Control System ID will be associated with multiple Sources in multiple Emissions records in the inventory. Two Release Point records are included.

To illustrate how the use of the control equipment tab is optional, this example includes emissions from the reactor vessel (RCT001) during an emergency release where both the scrubber (SCR001) and flare (FLR001) are bypassed, and the emissions are released directly through a pressure release valve (PRV029). The PRV is represented as a separate release point in the inventory.

Source ID RCT001
Release Point IDs SCVT01, FLVT01, PRV029
Control System IDs SCR001, FLR001

Each emissions record for the reactor represents the emissions of a pollutant and emissions type generated by one process (e.g., PRD001 or PRD002), through one control device, emitted through one of the associated release points. In this example, the following emissions records are included.

Source	Process	Control System	Release Point	Pollutant	Tons
RCT001	PRD001	SCR001	SCVT01	VOC, Total	10.01
RCT001	PRD001	SCR001	SCVT01	HCl	0.50
RCT001	PRD001	FLR001	FLVT01	VOC, Total	2.00
RCT001	PRD002	FLR001	FLVT01	VOC, Total	5.01
RCT001	PRD002	FLR001	FLVT01	NOx	3.00
RCT001	PRD001		PRV029	VOC, Total	0.34

4.8 Reporting Temporary and Variance Sources

If the emissions are from a variance, each source of emissions from a variance should be treated as any other source and not grouped together under one Source ID. Then, on the Emissions Path, the emission type Variance should be selected when reporting emissions from the activities associated with the variance. Temporary sources should be treated like any other source and not grouped together under one Source ID.

5 Detailed Listing of Data Elements

The section provides a detailed listing of the data elements in each data element group in the inventory. Each subsection deals with one data element group, and shows a screenshot of the online data entry form along with a listing of each data element with the data type, valid values, and other data validation rules. Validation rules that apply to multiple fields are listed at the end of each subsection under Additional Validations. A tabular view of the data validation rules is provided in [Appendix A](#) – this detailed tabular view also provides some additional information such as whether each validation rule is applied onscreen, during the Excel upload process, and/or during final submittal, and whether the validation rule is configurable by LDEQ for prior year inventories.

5.1 Facility

The Facility component of the emissions inventory describes the facility for which the inventory is being submitted, including the facility name and physical address as well as the company name and mailing address of the facility owner. Most of the facility information is managed in TEMPO and is not editable through ERIC. When ERIC displays the Facility screen, it is reading the facility data directly from the TEMPO master file except for certain elements such as facility description, status, and notes that can be edited and submitted with the emissions inventory. If the other required data elements (such as facility name and front gate coordinates) are missing, you will not be able to submit the inventory until those missing elements are updated in TEMPO.

Once an inventory is submitted, the facility and contact data from TEMPO is captured at the time of submit and becomes static data and is no longer being read directly from TEMPO. Any changes to TEMPO data will not show up in a submitted inventory. In order to have the inventory reflect changes in TEMPO after submitting, the inventory must be revised and then the TEMPO changes will show up in ERIC.

The Facility data form is not included in the ERIC Excel inventory download – the user-editable fields for the facility data must be completed online.

[Figure 5.1.1](#) shows the layout of the Facility form in ERIC. [Table 5.1.1](#) lists each data element along with details on the data type and validations performed on each element.

Figure 5.1.1 Facility Screen

Most facility information is no longer entered or edited directly through ERIC. You can enter/edit the Description, Status, and Comments data. The information displayed here is the current information in the DEQ TEMPO system. If the information displayed is not correct, please send a request with the updated information to facupdate@la.gov.

Indicates Required Fields		Save	Cancel
Facility Name:	Gulf South Pipeline Co LP - Montpelier Compressor Station	Short name of the facility.	
Owner:	Gulf South Pipeline Co LP	Owner of the facility.	
Owner Address1:	PO Box 8288	Owner mailing address.	
Owner Address2:			
Owner Address3:			
Owner City, State, Zip:	Longview, TX, 756078288		
Owner Phone:		Owner phone number.	
Operator:	Gulf South Pipeline Co LP - From 7/10/2000	Operator (organization or person) of the facility.	
Facility Description:	Test facility	Description of the business conducted at the facility (max. 100 characters).	
Facility Status:	Active <input type="button" value="v"/>	Enter a status of "active" if the facility was active at any time during the year.	
Address1:	477 Hwy 441	Facility physical address.	
Address2:			
Address3:			
City:	Montpelier		
Parish:	Ascension		
State:	LA		
Zip Code:	70744	5- or 9-digit zip code.	
Longitude:	-90.66028	Longitude/latitude of the front gate in decimal degrees .	
Latitude:	30.65694		
UTM Easting:	724189.8	NAD83 UTM Easting/Northing of the front gate in meters .	
UTM Northing:	3393918.6		
UTM Zone:	15	UTM zone in which the front gate falls.	
Datum:	NAD83	NAD83 is currently the only datum option.	
Primary SIC Code:	4922	4-digit SIC code for the primary activity at the facility. SIC Code Reference	
Primary NAICS Code:	48621	NAICS code for the primary activity at the facility. NAICS Code Reference	
ORIS Code:		ORIS code for the facility, if applicable.	
Comments:		(max. 1000 characters)	

NOTE: Most facility information is not entered or edited directly through ERIC. You can enter/edit the Description, Status, and Comments data. The information displayed on the Facility screen is the current information in LDEQ's TEMPO system. If the information displayed is not correct, please send a request with the updated information to facupdate@la.gov.

Table 5.1.1 Facility Data Elements

Facility Name	
<i>Description</i>	Short name of the facility
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.
Owner	
<i>Description</i>	Owner of the facility (company name)
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.
Owner Address1 Owner Address2 Owner Address3	
<i>Description</i>	Owner mailing address (3 lines)
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes (Address1 only)
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.
Owner City	
<i>Description</i>	Owner mailing city
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.
Owner State	
<i>Description</i>	Owner mailing state (2 character abbreviation)
<i>Data Type</i>	Text (Max Length: 2)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.
Owner Zip	
<i>Description</i>	Owner mailing zip code
<i>Data Type</i>	Text (Max Length: 10)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.

Owner Phone

<i>Description</i>	Owner phone number
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.

Operator

<i>Description</i>	Operator (organization or person) of the facility
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	No
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO.

Facility Description

<i>Description</i>	Description of facility
<i>Data Type</i>	Text (Max Length: 500)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None

Facility Status

<i>Description</i>	Status of facility operation
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Dropdown menu of valid Facility Statuses – Active, Idle, Permanently shutdown, Permitted but not built TEMPO: MTB_AI_EMISSION_STATUS
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active status.

Address1**Address2****Address3**

<i>Description</i>	Facility physical address (3 lines)
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes (Address1 only)
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.

City

<i>Description</i>	Facility physical city
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.

Parish

<i>Description</i>	Facility physical parish code
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_PARISH_COUNTY (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Parish)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.

State

<i>Description</i>	Facility physical state (always set Louisiana)
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_STATE
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.

Zip Code

<i>Description</i>	5 or 9-digit Zip code of facility location
<i>Data Type</i>	Text (Max Length: 10)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.

Longitude

<i>Description</i>	Facility front gate longitude
<i>Data Type</i>	Number (Max Length: 9, Max Decimal Places: 5)
<i>Units of Measure</i>	Decimal Degrees
<i>Valid Values</i>	-94.10000 – -88.50000
<i>Required?</i>	Either longitude/latitude or UTM coordinates must be populated in TEMPO.
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO. Provide coordinates for the actual location of the front gate.

Latitude

<i>Description</i>	Facility front gate latitude
<i>Data Type</i>	Number (Max Length: 8, Max Decimal Places: 5)
<i>Units of Measure</i>	Decimal Degrees
<i>Valid Values</i>	28.00000 – 33.10000
<i>Required?</i>	Either longitude/latitude or UTM coordinates must be populated in TEMPO.
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO.

Provide coordinates for the actual location of the front gate.

UTM Easting

<i>Description</i>	Easting of the front gate
<i>Data Type</i>	Number (Max Length: 8, Max Decimal Places: 1)
<i>Units of Measure</i>	Meters (m)
<i>Valid Values</i>	400,000.0 – 800,000.0 for UTM Zone 15 200,000.0 to 350,000.0 for UTM Zone 16
<i>Required?</i>	Either longitude/latitude or UTM coordinates must be populated in TEMPO.
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal. Provide coordinates for the actual location of the front gate.

UTM Northing

<i>Description</i>	Northing of the front gate
<i>Data Type</i>	Number (Max Length: 9, Max Decimal Places: 1)
<i>Units of Measure</i>	Meters (m)
<i>Valid Values</i>	3,200,000.0 – 3,655,000.0 for UTM Zone 15 3,200,000.0 – 3,435,000.0 for UTM Zone 16
<i>Required?</i>	Either longitude/latitude or UTM coordinates must be populated in TEMPO.
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal. Provide coordinates for the actual location of the front gate.

UTM Zone

<i>Description</i>	UTM Zone in which the front gate falls
<i>Data Type</i>	Integer (Max Length: 2)
<i>Units of Measure</i>	N/A
<i>Valid Values</i>	15 or 16 (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column UTM Zone)
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.

Datum

<i>Description</i>	Datum of facility location (NAD83)
<i>Data Type</i>	Reference List
<i>Valid Values</i>	NAD83
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal.

Primary SIC Code

<i>Description</i>	4-digit SIC code for the primary activity at the facility
<i>Data Type</i>	Text (Max Length: 4)
<i>Valid Values</i>	TEMPO: MTB_SIC
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal. A link to the list of valid values is provided in the descriptive text for this field (see Section 4.2.2).

Primary NAICS Code

<i>Description</i>	4-digit or 6-digit NAICS code for the primary activity at the facility
<i>Data Type</i>	Text (Max Length: 8)
<i>Valid Values</i>	TEMPO: MTB_NAIC
<i>Required?</i>	Yes
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO and must be complete in TEMPO prior to submittal. A link to the list of valid values is provided in the descriptive text for this field (see Section 4.2.2).

ORIS Code

<i>Description</i>	ORIS code for the facility
<i>Data Type</i>	Text (Max Length: 5)
<i>Required?</i>	No
<i>Editable?</i>	No
<i>Notes</i>	This information is populated from TEMPO.

Comments

<i>Description</i>	Comments on facility
<i>Data Type</i>	Text (Max Length: 1000)
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	None

Additional Validations

The owner of the ERIC account must be listed in TEMPO as an owner of the AI for at least a portion of the inventory reporting period.

If facility status is Active, the inventory must contain at least one source, process, release point, and emissions record with total annual emissions greater than zero.

If facility status is Permitted but not built, the inventory may not contain any sources, processes, release points, or emissions records with annual emissions greater than zero.

If the facility status is Active, then the inventory must have > 0 sources, > 0 processes, > 0 release points, > 0 emissions (annual).

If your AI is permitted but not built, the only information required is the Facility and Contact tabs. Be sure

to set the facility status as Permitted but not built. No source, process, or release point records are allowed in your inventory, and any emissions records must show zero emissions.

If the facility status is Permanently Shutdown, the only information required is the Facility and Contact Tabs. Be sure that any sources listed for the facility are Idle or Permanently Shutdown, and any emission records in the inventory have zero emissions.

5.2 Contacts

The Contacts component of the inventory lists the key companies and individuals associated with the emissions inventory. There are three types of contacts that can be defined:

1. EI Facility Contact - the individual(s) at the facility/AI responsible for preparing the inventory, and to whom LDEQ should direct questions about the data submitted. Not the consultant.
2. EI Billing Party – the company responsible for paying any fees due for the inventory after submittal.
3. Other Contacts – you can add any number of additional contacts to the list, such as consultants who helped compile the inventory.

As with the Facility data, some of the contact data is pulled from TEMPO and cannot be entered or updated through ERIC. Specifically, the EI Facility Contact and the EI Billing Party must be present in TEMPO before the inventory can be submitted and the start and end dates of the inventory should correspond to the start and end dates in TEMPO for the EI Facility Contact and the EI Billing Party. If the dates do not correspond, the inventory cannot be submitted until the dates in TEMPO are corrected. TEMPO can contain more than one EI Facility Contact, but must contain only one EI Billing Party.

[Figure 5.2.1](#) shows the layout of the contact information form in ERIC. [Table 5.2.1](#) lists each data element along with details on the data type and validations performed on each element.

Figure 5.2.1 Contact Screen

Indicates Required Fields		Save	Cancel
Contact Type:	Choose One... ▼	You must provide an EI Contact and an EI Billing Party.	
First Name:	<input type="text"/>		
Middle Initial:	<input type="text"/>		
Last Name:	<input type="text"/>		
Title:	<input type="text"/>		
Company:	<input type="text"/>		
Address1:	<input type="text"/>	Contact mailing address.	
Address2:	<input type="text"/>		
Address3:	<input type="text"/>		
City:	<input type="text"/>		
State:	Choose One... ▼		
Zip Code:	<input type="text"/>	5- or 9-digit zip code.	
Email:	<input type="text"/>		
Phone:	<input type="text"/>		

Table 5.2.1 Contact Data Elements

Contact Type	
<i>Description</i>	Contact type
<i>Data Type</i>	Reference List
<i>Valid Values</i>	El Facility Contact, El Billing Party, El Consultant; Other (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Contact Type)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active contact type. Each inventory MUST contain one or more El Facility Contact records and EXACTLY one El Billing Party contact. El Consultants cannot be the same person as the El Facility Contact.
First Name	
<i>Description</i>	Contact first name
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.
Middle Initial (MI)	
<i>Description</i>	Contact middle initial
<i>Data Type</i>	Text (Max Length: 1)
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	None
Last Name	
<i>Description</i>	Contact last name
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.
Title	
<i>Description</i>	Contact person title
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.

Company

<i>Description</i>	Contact company name
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.

Mailing Address1, Mailing Address2, Mailing Address3

<i>Description</i>	Contact mailing address (3 lines)
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes (Mailing Address1 only)
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.

City

<i>Description</i>	Contact mailing city
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.

State

<i>Description</i>	Contact mailing state
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Dropdown menu of states in US and Canada as well as Unknown TEMPO: MTB_STATE
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.

Zip Code

<i>Description</i>	Contact mailing zip code
<i>Data Type</i>	Text (Max Length: 10)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.

Email

<i>Description</i>	Contact email address
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.

Phone Number

<i>Description</i>	Contact phone number
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be populated in TEMPO for required contact types prior to submittal.

Additional Validations

The EI Facility Contact and the EI Billing Party records are read from TEMPO until the inventory is submitted, at which time they are copied into the ERIC inventory.

The facility MUST have exactly one EI Billing Party, and one or more EI Facility Contacts as needed.

If EI Consultants are entered, they MUST be different people than the EI Facility Contact.

5.3 Sources

Figure 5.3.1 Source Screen

Indicates Required Fields		Save	Cancel
Source ID:	<input type="text"/>	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).	
NEDS ID:	<input type="text"/>	NEDS ID from legacy EIS submittals, if available.	
Subject Item ID:	<input type="text"/>	Subject Item ID from TEMPO if one has already been assigned to this source by LDEQ (format to a total width of 14 characters). TEMPO Subject Item List . If this source does not correspond to a listed TEMPO Subject Item, enter "Not Listed".	
Source Description:	<input type="text"/>	NOTE – the maximum length of the source description is 100 characters.	
Source Type:	Not Set <input type="button" value="v"/>		
Permit Number:	<input type="text"/>	Permit number where source is permitted, if applicable. This is required for permitted sources. List of Valid Air Permit Numbers . If this source is not listed on an air permit, leave the field blank.	
EIQ Number:	<input type="text"/>	Emission Point ID No. on EIQ form, if applicable. This is required for permitted sources.	
Status:	Not Set <input type="button" value="v"/>	Status of the source during the reporting year. If the source was active at any time, report it as active. If the source was not active, you do not need to include emissions records for it.	
Permanent Shutdown Date:	<input type="text"/>	Date the source was permanently shut down (m/d/yyyy).	
SIC Code:	<input type="text"/>	Enter the 4-digit Standard Industrial Classification Code that applies to the source. SIC Code Reference	
NAICS Code:	<input type="text"/>	Enter the 4-digit or 6-digit North American Industrial Classification System Code that applies to the source. NAICS Code Reference	
Comments:	<input type="text"/>		
Select One: <input type="radio"/> Combustion Source <input type="radio"/> Engine <input checked="" type="radio"/> Neither			
Firing Type:	Not Set <input type="button" value="v"/>	For internal combustion sources only.	
The following items are only required for EGUs subject to CAIR/BART/CAMR			
Serial Number:	<input type="text"/>	Serial number of equipment, if available.	
Construction Date:	<input type="text"/>	Date the source was constructed (m/d/yyyy).	
Initial Startup Date:	<input type="text"/>	Date of the initial startup of the source (m/d/yyyy).	
Maximum Nameplate Capacity:	<input type="text"/>	For electrical generating equipment only, MW .	
Max Nameplate Capacity Units:	Not Set <input type="button" value="v"/>	You must select MW .	

Table 5.3.1 Source Data Elements

Source ID	
<i>Description</i>	Facility-generated identifier
<i>Data Type</i>	Text (Max Length: 6)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be unique within inventory. Not the same as the EIQ Number.
NEDS ID	
<i>Description</i>	NEDS ID from legacy EIS submittals, if available
<i>Data Type</i>	Text (Max Length: 2)
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	If the NEDS ID does not exist, you do not need to assign a new one. The NEDS ID will be in the system for historical reference purposes only and will not be used in the future.
Subject Item ID	
<i>Description</i>	Subject Item ID from TEMPO if one has already been assigned to this source by LDEQ.
<i>Data Type</i>	Text (Max Length: 14)
<i>Required?</i>	Yes (can be 'Not Listed')
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid SI for the AI, or must be 'Not Listed'. If this source does not correspond to a listed TEMPO Subject Item, enter 'Not Listed'. A link to the list of valid values is provided in the descriptive text for this field (see Section 4.2.2). Source should not be associated with a Subject Item whose description includes the word CAP. Subject Item IDs beginning with AI, CRG, GRP, PCS, SCN, or UNF are not allowed.
Source Description	
<i>Description</i>	Description of source
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must replace old descriptions (NEDS POINT XX, TEDI EMISSIONS FOR SIC XXXX) from legacy import. Source description should not contain the word CAP.
Source Type	
<i>Description</i>	Source type (e.g. Boiler, Condenser, Kiln)
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_SUBJ_ITEM_TYPE (the list of valid values can be found on a

	downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Source Type)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active source type.

Permit Number

<i>Description</i>	Permit number where source is permitted
<i>Data Type</i>	Text (Max Length: 50)
<i>Required?</i>	Yes, for permitted sources
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid permit number for the AI, or must be blank. If source is not listed on a TEMPO permit, leave the field blank. Enter the permit number current as of December 31 of the reporting year.
	A link to the list of valid values is provided in the descriptive text for this field (see Section 4.2.2).

EIQ Number

<i>Description</i>	Emission Point ID number on EIQ form
<i>Data Type</i>	Text (Max Length: 50)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	This is required for permitted sources. Not the same as the Source ID.

Status

<i>Description</i>	Status of the source during the reporting period
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_SI_STATUS (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Source Status)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active status. If the source was active at any time during the reporting period, report it as active. If the source was not active, you do not need to include emissions records for it. If source status is Idle, then emissions cannot be >0. If source status is Permanently Shutdown, then source cannot have any emissions records.

Permanent Shutdown Date

<i>Description</i>	Date the source was permanently shutdown
<i>Data Type</i>	Date (MM/DD/YYYY)

<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	Required if the source status is Permanently Shutdown, otherwise must be blank.
<hr/>	
SIC Code	
<i>Description</i>	4-digit SIC code applicable to the source
<i>Data Type</i>	Text (Max Length: 4)
<i>Valid Values</i>	TEMPO: MTB_SIC
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	A link to the list of valid values is provided in the descriptive text for this field (see Section 4.2.2).
<hr/>	
NAICS Code	
<i>Description</i>	4-digit or 6-digit NAICS code applicable to the source
<i>Data Type</i>	Text (Max Length: 8)
<i>Valid Values</i>	TEMPO: MTB_NAIC
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	A link to the list of valid values is provided in the descriptive text for this field (see Section 4.2.2).
<hr/>	
Comments	
<i>Description</i>	Comments about the source
<i>Data Type</i>	Text (Max Length: 1000)
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	None
<hr/>	
Combustion Source Type	
<i>Description</i>	Type of combustion source
<i>Data Type</i>	Selector
<i>Valid Values</i>	Combustion Source; Engine; Neither
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	This item is not a data field in the inventory; rather, it is used to determine which of the fields below you will be prompted for.
<hr/>	
Maximum Design Rate	
<i>Description</i>	Maximum rate at which combustion source is designed to operate
<i>Data Type</i>	Number (Max Length: 15, Max Decimal Places: 5)
<i>Valid Values</i>	0.01 – 100,000,000.0
<i>Required?</i>	Desired if Source Type is Boiler, Furnace, Glycol dehydration reboiler, Heater, Line heater, Oven, or FCCU catalyst regenerator
<i>Editable?</i>	Yes
<i>Notes</i>	Data is not accepted in this field if the Combustion Source Type is not Combustion Source.

Maximum Design Rate Units

<i>Description</i>	Units for Maximum Design Rate
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_UNITS (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Maximum Design Rate Units)
<i>Required?</i>	Yes if Maximum Design Rate is reported.
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active unit of measure.

Engine Rating

<i>Description</i>	Power rating for engines
<i>Data Type</i>	Number (Max Length: 15, Max Decimal Places: 5)
<i>Valid Values</i>	0.01 – 100,000,000.0
<i>Required?</i>	Desired if Source Type is Internal combustion engine
<i>Editable?</i>	Yes
<i>Notes</i>	Data is not accepted in this field is Combustion Source Type is not Engine.

Engine Rating Units

<i>Description</i>	Units for Engine Rating
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Horsepower
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	You must report engine rating in horsepower.

Firing Type

<i>Description</i>	Firing type for combustion sources
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_BOILER_FIRING_TYPE (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Firing Type)
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active firing type.

Serial Number

<i>Description</i>	Serial number of equipment
<i>Data Type</i>	Text (Max Length: 50)
<i>Required?</i>	Required for Electrical Generating Units (EGU) subject to CAIR/BART/CAMR
<i>Editable?</i>	Yes
<i>Notes</i>	None

Construction Date

<i>Description</i>	Date the source was constructed
<i>Data Type</i>	Date (MM/DD/YYYY)
<i>Required?</i>	Required for Electrical Generating Units (EGU) subject to CAIR/BART/CAMR
<i>Editable?</i>	Yes
<i>Notes</i>	None

Initial Startup Date

<i>Description</i>	Date of the initial startup of the source
<i>Data Type</i>	Date (MM/DD/YYYY)
<i>Required?</i>	Required for Electrical Generating Units (EGU) subject to CAIR/BART/CAMR
<i>Editable?</i>	Yes
<i>Notes</i>	None

Maximum Nameplate Capacity

<i>Description</i>	Maximum Capacity
<i>Data Type</i>	Number (Max Length: 15, Max Decimal Places: 5)
<i>Units of Measure</i>	MW
<i>Valid Values</i>	0.01 – 100,000,000
<i>Required?</i>	Required for Electrical Generating Units (EGU) subject to CAIR/BART/CAMR Required if source type is Turbine.
<i>Editable?</i>	Yes
<i>Notes</i>	None

Maximum Nameplate Capacity Units

<i>Description</i>	Units for Maximum Nameplate Capacity
<i>Data Type</i>	Reference List
<i>Valid Values</i>	MW
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	You must report maximum nameplate capacity in MW.

Additional Validations

If the source status is Active, then the inventory must have one or more processes for the source, except source types of Fugitive Emissions, GC XVII Emissions, and Insignificant Activities.

If the source status is not Active, the source cannot have any process records associated with it and any emissions records associated with the source must report zero emissions.

If the source status is Permanently Shutdown, there can be no emissions records associated with the source.

WARNING ONLY - Active sources are expected to have non-zero emissions.

A source record can be deleted if it is shutdown permanently, dismantled, or otherwise removed.

Most required fields can be left blank if the source is in Permanently Shutdown status – see [Appendix A](#) for details.

5.4 Processes

Figure 5.4.1 Processes Screen

Indicates Required Fields		Save	Cancel
Process ID:	<input type="text"/>	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).	
Source ID:	Not Set ▼	This is the facility-generated source identifier associated with this process.	
Process Description:	<input type="text"/>	NOTE – the maximum length of the process description is 200 characters.	
Status:	Not Set ▼	Status of the process during the reporting year. If the process was active at any time, report it as active. If the process was not active, you do not need to include emissions records for it.	
Permanent Shutdown Date:	<input type="text"/>	Date the process was permanently shut down (m/d/yyyy).	
Confidentiality:	<input type="checkbox"/>	Indicate whether confidentiality has been requested and approved by LDEQ under LAC 33:1 Chapter 5.	
SCC:	<input type="text"/>	8-digit Source Classification Code applicable to this process. SCC Reference	
Material Name:	<input type="text"/>	Name of the primary material used or produced in this process (the material that drives the emissions calculations).	
Average Annual Throughput:	<input type="text"/>	Enter the annual average throughput of the material for this process.	
Annual Throughput Units:	Not Set ▼	Select the units for the annual average throughput.	
Average Ozone Season Throughput:	<input type="text"/>	Enter the average daily throughput of the material during ozone season, if required.	
Ozone Season Throughput Units:	Not Set ▼	Select the units for the ozone season average throughput.	
Annual Average Ash Content:	<input type="text"/>	The annual average ash content (percent). Maximum of 2 decimal places.	
Ozone Season Average Ash Content:	<input type="text"/>	The ozone season average ash content (percent). Maximum of 2 decimal places.	
Annual Average Sulfur Content:	<input type="text"/>	The annual average sulfur content (percent). Maximum of 2 decimal places.	
Ozone Season Average Sulfur Content:	<input type="text"/>	The ozone season average sulfur content (percent). Maximum of 2 decimal places.	
Annual Average Heat Content:	<input type="text"/>	The annual average heat content. Required for some SCC codes - see reference list above. Maximum of 2 decimal places.	
Annual Average Heat Content Units:	Not Set ▼	Select the units for the annual average heat content if provided.	
Ozone Season Average Heat Content:	<input type="text"/>	The ozone season average heat content. Required for some SCC codes - see reference list above. Maximum of 2 decimal places.	
Ozone Season Average Heat Content Units:	Not Set ▼	Select the units for the ozone season average heat content if provided.	
Spring Throughput:	<input type="text"/>	Percent of total annual throughput that occurs during the spring. Maximum of 1 decimal place.	
Summer Throughput:	<input type="text"/>	Percent of total annual throughput that occurs during the summer. Maximum of 1 decimal place.	
Fall Throughput:	<input type="text"/>	Percent of total annual throughput that occurs during the fall. Maximum of 1 decimal place.	
Winter Throughput:	<input type="text"/>	Percent of total annual throughput that occurs during the winter. Maximum of 1 decimal place.	
Average Hours per Day:	<input type="text"/>	Annual average hours per day in operation.	
Average Days per Week:	<input type="text"/>	Annual average days per week in operation.	
Total Weeks:	<input type="text"/>	Total weeks in operation for this reporting period.	

Table 5.4.1 Process Data Elements

Process ID	
<i>Description</i>	Facility-generated identifier
<i>Data Type</i>	Text (Max Length: 6)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be unique within inventory.
Source ID	
<i>Description</i>	Facility-generated source identifier associated with this process
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Source ID values in current inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a source on the Source tab in the current inventory without a set status or with an Active or Idle status. No sources with a Permanently Shutdown status.
Process Description	
<i>Description</i>	Description of process
<i>Data Type</i>	Text (Max Length: 200)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must replace old descriptions (TEDI EMISSIONS FOR SIC XXXX) from legacy import.
Status	
<i>Description</i>	Status of the process during the reporting period
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Active, Idle, or Permanently Shutdown
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	If the process was active at any time during the reporting period, report it as active. If the process was not active, you do not need to include emissions records for it. If the status is Permanently Shutdown, no emissions records can be associated with this process.
Permanent Shutdown Date	
<i>Description</i>	Date the process was permanently shutdown
<i>Data Type</i>	Date (MM/DD/YYYY)
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	Required if status is Permanently Shutdown, otherwise must be blank.

Confidentiality

<i>Description</i>	Indicate whether confidentiality has been requested and approved by LDEQ under LAC 33:1 Chapter 5
<i>Data Type</i>	Checkbox
<i>Valid Values</i>	Yes or No (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Confidentiality)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None

SCC

<i>Description</i>	8-digit SCC applicable to this process
<i>Data Type</i>	Text (Max Length: 10)
<i>Valid Values</i>	TEMPO: MTB_SCC
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	A link to the list of valid values is provided in the descriptive text for this field (see Section 4.2.2).

Material Name

<i>Description</i>	Name of the primary material used or produced in this process
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	The material that drives the emissions calculations. Should be the same as the material on the emission factor record for this process. This means that if you used an emission factor that calculated the kilograms of particulate emitted per megagram of coal burned, then the material would be the amount of coal burned. Another example of the material is the amount of fuel input when using lb/MMBtu to calculate emissions for a stationary internal combustion source.

Average Annual Throughput

<i>Description</i>	Average annual throughput of the material for this process
<i>Data Type</i>	Number (Max Length: 15, Max Decimal Places: 5)
<i>Units of Measure</i>	Annual Throughput Units
<i>Valid Values</i>	-9999999999.99999 – 9999999999.99999
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	See Section 6.6 for guidance.

Annual Throughput Units

<i>Description</i>	Units for annual average throughput
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_UNITS (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Material Throughput Units)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active unit of measure. See Section 6.6 for guidance.

Average Ozone Season Throughput

<i>Description</i>	Average daily throughput of the material during ozone season
<i>Data Type</i>	Number (Max Length: 15, Max Decimal Places: 5)
<i>Units of Measure</i>	Ozone Season Throughput Units
<i>Valid Values</i>	-9999999999.99999 – 9999999999.99999
<i>Required?</i>	Yes for facilities in ozone nonattainment areas
<i>Editable?</i>	Yes
<i>Notes</i>	Ozone season is May 1 through September 30, inclusively, as defined in LAC 33:III.919.E.

Ozone Season Throughput Units

<i>Description</i>	Units for the ozone season average throughput
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_UNITS (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Material Throughput Units)
<i>Required?</i>	Yes for facilities in ozone nonattainment areas
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active unit of measure. Ozone season is May 1 through September 30, inclusively, as defined in LAC 33:III.919.E.

Annual Average Ash Content

<i>Description</i>	Annual average ash content
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 2)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	0.01% – 20.00%
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None

Ozone Season Average Ash Content

<i>Description</i>	Ozone season average ash content
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 2)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	0.01% – 20.00%
<i>Required?</i>	Yes for facilities in ozone nonattainment areas
<i>Editable?</i>	Yes
<i>Notes</i>	Ozone season is May 1 through September 30, inclusively, as defined in LAC 33:III.919.E.

Annual Average Sulfur Content

<i>Description</i>	Annual average sulfur content
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 2)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	0.01% – 10.00%
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None

Ozone Season Average Sulfur Content

<i>Description</i>	Ozone season average sulfur content
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 2)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	0.01% – 10.00%
<i>Required?</i>	Yes for facilities in ozone nonattainment areas
<i>Editable?</i>	Yes
<i>Notes</i>	Ozone season is May 1 through September 30, inclusively, as defined in LAC 33:III.919.E.

Annual Average Heat Content

<i>Description</i>	Annual average heat content
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 2)
<i>Units of Measure</i>	Annual Average Heat Content Units
<i>Valid Values</i>	>0.00 if provided
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Required for certain SCC codes. A link to the list of valid values is provided in the descriptive text for the field SCC (see Section 4.2.2). See Section 6.6 for guidance.

Annual Average Heat Content Units

<i>Description</i>	Units for annual average heat content
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_UNITS (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Annual Average Heat Content Units)
<i>Required?</i>	Yes if Annual Average Heat Content is provided
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active unit of measure. See Section 6.6 for guidance.

Ozone Season Average Heat Content

<i>Description</i>	Ozone season average for heat content
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 2)
<i>Units of Measure</i>	Ozone Season Average Heat Content Units
<i>Valid Values</i>	>0 if provided
<i>Required?</i>	Yes for facilities in ozone nonattainment areas
<i>Editable?</i>	Yes
<i>Notes</i>	Required for certain SCC codes. A link to the list of valid values is provided in the descriptive text for the field SCC (see Section 4.2.2). Ozone season is May 1 through September 30, inclusively, as defined in LAC 33:III.919.E.

Ozone Season Average Heat Content Units

<i>Description</i>	Units for ozone season average heat content
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_UNITS (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Ozone Season Average Heat Content Units)
<i>Required?</i>	Yes for facilities in ozone nonattainment areas
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active unit of measure. Ozone season is May 1 through September 30, inclusively, as defined in LAC 33:III.919.E.

Spring Throughput

<i>Description</i>	Percent of total annual throughput that occurs during the spring
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 1)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	0.0% – 100.0%
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Seasonal throughputs must add to 100%. Spring is March through May.

Summer Throughput

<i>Description</i>	Percent of total annual throughput that occurs during the summer
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 1)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	0.0% – 100.0%
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Seasonal throughputs must add to 100%. Summer is June through August.

Fall Throughput

<i>Description</i>	Percent of total annual throughput that occurs during the fall
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 1)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	0.0% – 100.0%
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Seasonal throughputs must add to 100%. Fall is September through November.

Winter Throughput

<i>Description</i>	Percent of total annual throughput that occurs during the winter
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 1)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	0.0% – 100.0%
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Seasonal throughputs must add to 100%. Winter is January, February, and December of the same calendar year.

Average Hours per Day

<i>Description</i>	Annual average hours per day in operation
<i>Data Type</i>	Integer (Max Length: 2)
<i>Units of Measure</i>	Hours
<i>Valid Values</i>	1 – 24
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Hours per day, days per week, and total weeks must not result in a total hours per year greater than 8760.

Average Days per Week

<i>Description</i>	Annual average days per week in operation
<i>Data Type</i>	Integer (Max Length: 1)
<i>Units of Measure</i>	Days
<i>Valid Values</i>	1 – 7
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Hours per day, days per week, and total weeks must not result in a total hours per year greater than 8760.

Total Weeks

<i>Description</i>	Total weeks in operation for the reporting period
<i>Data Type</i>	Integer (Max Length: 2)
<i>Units of Measure</i>	Weeks
<i>Valid Values</i>	1 – 52
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Hours per day, days per week, and total weeks must not result in a total hours per year greater than 8760.

Additional Validations

Seasonal throughputs must add up to 100%.

Some required fields can be left blank if the process is in Idle or Permanently Shutdown status – see [Appendix A](#) for details.

With regards to a leap year: If a source operated year round, emissions should be calculated using 8784 hours/year and then facilities should report 24 hours, 7 days, 52 weeks (8760 hours/year) on the process.

5.5 Emission Factors

Figure 5.5.1 Emission Factors Screen

Indicates Required Fields		Save	Cancel
Process ID:	Not Set	This is the process to which this emission factor applies.	
Pollutant:	Not Set		
The emissions calculation is of the form: $E = A * EF$ where E is the emissions, A is the material or activity rate, and EF is the emission factor.			
Emission Factor:		The numeric value of the emission factor (must be greater than zero).	
Emissions Units:	Not Set	The numerator units for the emission factor (i.e., the units of the emissions calculated by the factor).	
Material or Activity:		The material or activity that serves as the independent variable in the emission factor calculation (e.g., Glass, Pulp, Heat Input, Air Flow).	
Material or Activity Rate:	Not Set	The denominator units for the emission factor (i.e., the units for the material throughput).	
Emission Factor Source:	Not Set	The source of the emission factor.	

Table 5.5.1 Emission Factor Data Elements

Process ID	
<i>Description</i>	Facility-generated process identifier to which this emission factor applies
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Process ID values in current inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a process on the Process tab in the current inventory without a set status or with an Active or Idle status. No processes with a Permanently Shutdown status.
Pollutant	
<i>Description</i>	Pollutant associated with emission factor from process
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_EI_RY_PARAMETER (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Pollutant)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active pollutant for the reporting year.
Emission Factor	
<i>Description</i>	Numeric value of emission factor for given pollutant
<i>Data Type</i>	Number (Max Length: 28, Max Decimal Places: 15)
<i>Units of Measure</i>	Emissions Units
<i>Valid Values</i>	0.0000000000000001 – 999999999999.999999999999999
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	As required by LAC 33:III.919.G, in the absence of CEMS data or stack test data, emissions shall be calculated using methods found in the most recent edition, as of December 31 of the current reporting year, of the Compilation of Air Pollution Emission Factors (AP-42), calculations published in engineering journals, and/or EPA or department-approved estimation methodologies.
Emission Units	
<i>Description</i>	Numerator units for the emission factor (i.e., the units of the emissions calculated by the factor)
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_UNITS (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Emission Factor Numerator Units)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active unit of measure for the emission factor numerator.

Material or Activity

<i>Description</i>	Material or activity that serves as the independent variable in the emission factor calculation (e.g., Glass, Pulp, Heat Input, Air Flow)
<i>Data Type</i>	Text (Max Length: 100)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	The material that drives the emissions calculations. Should be the same as the material on the emission factor record for this process. This means that if you used an emission factor that calculated the kilograms of particulate emitted per megagram of coal burned, then the material would be the amount of coal burned. Another example of the material is the amount of fuel input when using lb/MMBtu to calculate emissions for a stationary internal combustion source.

Material or Activity Rate

<i>Description</i>	Denominator units for the emission factor (i.e. the units for the material throughput)
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_UNITS (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Emission Factor Denominator Units)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active unit of measure for the emission factor denominator.

Emission Factor Source

<i>Description</i>	Source of the emission factor
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_EMIS_FACTOR_SOURCE (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Emission Factor Source)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active emission factor source.

Additional Validations

Emission Factors are only required when selecting the following as the Estimation Method on the Emissions tab:

- EPA emission factors (e.g., AP-42)
- Facility Specific Emission Factor
- Manufacturer Emission Factor
- Trade Group Emission Factor
- Vendor Emission Factor

As required by LAC 33:III.919.G, in the absence of CEMS data or stack test data, emissions shall be calculated using methods found in the most recent edition, as of December 31 of the current reporting year, of the Compilation of Air Pollution Emission Factors (AP-42), calculations published in engineering journals, and/or EPA or department-approved estimation methodologies.

5.6 Control Systems

Figure 5.6.1 Control Systems Screen

Indicates Required Fields		Save	Cancel
Control System ID:	<input type="text"/>	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).	
Subject Item ID:	<input type="text"/>	Subject Item ID from TEMPO if one has already been assigned to this control system by LDEQ (format to a total width of 14 characters). TEMPO Subject Item List . If this control system does not correspond to a listed TEMPO Subject Item, enter "Not Listed".	
Control System Description:	<input type="text"/>	NOTE – the maximum length of the control system description is 200 characters.	
Status:	Not Set <input type="button" value="v"/>	Status of the control system during the reporting year. If the control system was active at any time, report it as active.	
Permanent Shutdown Date:	<input type="text"/>	Date the control system was permanently shut down (m/d/yyyy).	
Primary Device Type:	Not Set <input type="button" value="v"/>		
Secondary Device Type:	Not Set <input type="button" value="v"/>	Secondary control device in series, not intended for backup or alternate control devices. Only required if the control system has more than one control device in series.	

Table 5.6.1 Control System Data Elements

Control System ID	
<i>Description</i>	Facility-generated identifier
<i>Data Type</i>	Text (Max Length: 6)
<i>Valid Values</i>	Must be unique within inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None
Subject Item ID	
<i>Description</i>	Subject Item ID from TEMPO if one has already been assigned to this control system by LDEQ
<i>Data Type</i>	Text (Max Length: 14)
<i>Required?</i>	Yes (can be 'Not Listed')
<i>Editable?</i>	Yes
<i>Notes</i>	<p>Must be a valid SI for the AI, or must be 'Not Listed'.</p> <p>If this control system does not correspond to a listed TEMPO Subject Item, enter 'Not Listed'.</p> <p>A link to the list of valid values is provided in the descriptive text for this field (see Section 4.2.2).</p> <p>Control system should not be associated with a Subject Item whose description contains the word CAP.</p> <p>Subject Item IDs beginning with AI, CRG, GRP, PCS, SCN, or UNF are not allowed.</p>

Control System Description

<i>Description</i>	Description of control system
<i>Data Type</i>	Text (Max Length: 200)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must replace old descriptions (NEDS POINT XX, TEDI EMISSIONS FOR SIC XXXX) from legacy import. Control system description should not contain the word CAP.

Status

<i>Description</i>	Status of the control system during the reporting period
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Active, Idle, or Permanently Shutdown
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	If the control system was active at any time during the reporting period, report it as active. If the control system was not active, you do not need to include emissions records for it. If the control system is Permanently Shutdown, then control efficiencies are not allowed. If the control system is Permanently Shutdown, then the control system ID is not allowed on any emission path. If the control system is not Permanently Shutdown, then there must be one or more control efficiencies associated with the control system.

Permanent Shutdown Date

<i>Description</i>	Date the control system was permanently shutdown
<i>Data Type</i>	Date (MM/DD/YYYY)
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	Required if status is Permanently Shutdown, otherwise must be blank.

Primary Device Type

<i>Description</i>	Primary control device for control system
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_AIR_CONTROL_DEVICE (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Control Device)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active control device type.

Secondary Device Type

<i>Description</i>	Secondary control device in series
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_AIR_CONTROL_DEVICE (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Control Device)
<i>Required?</i>	Only required if the control system has more than one control device in series.
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active control device type. Not intended for backup or alternate control devices.

Additional Validations

Some required fields can be left blank if the control system is in Idle or Permanently Shutdown status – see [Appendix A](#) for details.

5.7 Control Efficiencies

Figure 5.7.1 Control Efficiencies Screen

Indicates Required Fields		Save	Cancel
Control System ID:	Not Set	This is the control system for which this capture/control efficiency applies.	
Pollutant:	Not Set		
Primary Device Efficiency:		Enter the capture/control efficiency of the primary control device for the selected pollutant (percent). Include only one decimal place (e.g. 99.7).	
Secondary Device Efficiency:		Enter the capture/control efficiency of the secondary control device for the selected pollutant (percent). Include only one decimal place (e.g. 99.7).	
Total Efficiency:		Enter the aggregate capture/control efficiency of the control system for the selected pollutant (percent). Include only one decimal place (e.g. 99.7).	

Table 5.7.1 Control Efficiency Data Elements

Control System ID

<i>Description</i>	Facility-generated control system identifier for which the capture/control efficiency applies
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Control System ID values in current inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a control system on the Control Systems tab in the current inventory without a set status or with an Active or Idle status. No control systems with a Permanently Shutdown status.

Pollutant

<i>Description</i>	Pollutant which control system is capturing
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_EI_RY_PARAMETER (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Pollutant)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active pollutant for the reporting year. If PM2.5 is present, then PM10 must be present. WARNING ONLY - Emissions should be reported for pollutants reported in control efficiencies.

Primary Device Efficiency

<i>Description</i>	Capture/control efficiency of the primary control device for the selected pollutant
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 1)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	1.0% – 99.9%
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	If a secondary control device is reported, then Primary and Secondary efficiencies are required. PM2.5 efficiency must be <= PM10 efficiency. If primary efficiency is present and there is no secondary efficiency, the primary efficiency must equal total efficiency.

Secondary Device Efficiency

<i>Description</i>	Capture/control efficiency of the secondary control device for the selected pollutant
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 1)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	1.0% – 99.9%
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	If a secondary control device is reported, then Primary and Secondary efficiencies are required. PM2.5 efficiency must be <= PM10 efficiency.

Total Efficiency

<i>Description</i>	Aggregate capture/control efficiency of the control system for the selected pollutant
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 1)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	1.0% – 99.9%
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	<p>PM2.5 efficiency must be <= PM10 efficiency.</p> <p>If primary efficiency is present and there is no secondary efficiency, the primary efficiency must equal total efficiency.</p> <p>WARNING ONLY - When primary and secondary efficiencies are reported, compare Total Efficiency as reported with calculated Efficiency and when not equal, give warning. - $TE = [100 - ((100 - PE)(100 - SE)) / 100]$, where TE = Total Efficiency, PE = Primary Efficiency, and SE = Secondary Efficiency.</p>

5.8 Release Points

Figure 5.8.1 Release Point Screen

Louisiana Department of Environmental Quality – Emissions Inventory ERIC User Manual

Indicates Required Fields		Save	Cancel
Release Point ID:	<input type="text"/>	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).	
Subject Item ID:	<input type="text"/>	Subject Item ID from TEMPO if one has already been assigned to this release point by UDEQ (format to a total width of 14 characters). TEMPO Subject Item List . If this release point does not correspond to a listed TEMPO Subject Item, enter "Not Listed".	
Release Point Description:	<input type="text"/>	NOTE - the maximum length of the release point description is 80 characters.	
Release Point Type:	Not Set <input type="button" value="v"/>	Use Area for emissions that do not occur at a well-defined point (e.g., material piles, wastewater ponds, GC-XVI activities).	
Status:	Not Set <input type="button" value="v"/>	Status of the release point during the reporting year. If the release point was active at any time, report it as active.	
Permanent Shutdown Date:	<input type="text"/>	Date the release point was permanently shut down (mm/dd/yyyy).	
Height:	<input type="text"/>	Height of the release in feet . Required for stack and vent release point types, optional (but desired) for area and fugitive sources. Maximum of one decimal place for stack and vent release point types, whole numbers only for area and fugitive release point types.	
Height Units:	Not Set <input type="button" value="v"/>	You must select feet .	
Diameter:	<input type="text"/>	Diameter of the release point in feet . Required for stack and vent release point types. Maximum of three decimal places.	
Diameter Units:	Not Set <input type="button" value="v"/>	You must select feet .	
Width:	<input type="text"/>	Width of the area in feet . Required for area and fugitive release point types. Whole numbers only.	
Width Units:	Not Set <input type="button" value="v"/>	You must select feet .	
Length:	<input type="text"/>	Length of the area in feet . Required for area and fugitive release point types. Whole numbers only.	
Length Units:	Not Set <input type="button" value="v"/>	You must select feet .	
Orientation:	<input type="text"/>	For stack and vent release point types, enter the orientation of the release from vertical in decimal degrees (e.g., 0 = up, 90 = horizontal, 180 = gooseneck). Value must be <= 180. For area and fugitive releases, enter the orientation of the long axis of the area (decimal degrees bearing from north; must be <= 179). Whole numbers only.	
Flow Rate:	<input type="text"/>	Exit gas flow rate in cubic feet per second . Required for stack and vent release point types. Maximum of eight decimal places.	
Flow Rate Units:	Not Set <input type="button" value="v"/>	You must select ft³/sec (actual) .	
Velocity:	<input type="text"/>	Exit gas velocity in feet per second . Required for stack and vent release point types. Maximum of three decimal places.	
Velocity Units:	Not Set <input type="button" value="v"/>	You must select ft/sec .	
Temperature:	<input type="text"/>	Exit gas temperature in degrees Fahrenheit . Required for stack and vent release point types. Whole numbers only.	
Temperature Units:	Not Set <input type="button" value="v"/>	You must select F .	
Moisture Content:	<input type="text"/>	Exit gas moisture content in percent (enter five percent as 5, not 0.05). Required for stack and vent release point types.	
The information below is locked. Save this new record first then edit it to submit coordinate changes for approval.			
Longitude:	<input type="text"/>	Longitude/Latitude of release point in decimal degrees . For area and fugitive release point types, longitude/latitude of the center of the area. NOTE - if you do not enter UTM coordinates, they will be calculated from the latitude and longitude when you save the record. Maximum of 5 decimal places.	
Latitude:	<input type="text"/>		
UTM Easting:	<input type="text"/>	NAD83 UTM Easting/Northing of release point in meters . For area and fugitive release point types, NAD83 UTM Easting/Northing of the center of the area. NOTE - if you do not enter latitude/longitude, they will be calculated from the UTM coordinates when you save the record.	
UTM Northing:	<input type="text"/>		
UTM Zone:	<input type="text"/>	UTM zone in which the release point (or area centroid) falls.	
Datum:	<input type="text"/>	You must specify coordinates using the NAD83 datum.	
Accuracy:	<input type="text"/>	Measure of accuracy of the coordinates provided, in meters (whole numbers only).	
Accuracy Units:	<input type="text"/>	You must select m .	
Horizontal Collection Method:	<input type="text"/>	Method used to measure or estimate the coordinates of the release point.	

Table 5.8.1 Release Point Data Elements

Release Point ID	
<i>Description</i>	Facility-generated identifier
<i>Data Type</i>	Text (Max Length: 6)
<i>Valid Values</i>	Must be unique within inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None
Subject Item ID	
<i>Description</i>	Subject Item ID from TEMPO if one has already been assigned to this release point by LDEQ
<i>Data Type</i>	Text (Max Length: 14)
<i>Required?</i>	Yes (can be 'Not Listed')
<i>Editable?</i>	Yes
<i>Notes</i>	<p>Must be a valid SI for the AI, or must be 'Not Listed'.</p> <p>If this release point does not correspond to a listed TEMPO Subject Item, enter Not Listed.</p> <p>A link to the list of valid values is provided in the descriptive text for this field (see Section 4.2.2).</p> <p>The release point should not be associated with a Subject Item whose description contains the word CAP.</p> <p>Subject Item IDs beginning with AI, CRG, GRP, PCS, SCN, or UNF are not allowed.</p>
Release Point Description	
<i>Description</i>	Description of release point
<i>Data Type</i>	Text (Max Length: 80)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	<p>Must replace old descriptions (NEDS POINT XX, TEDI EMISSIONS FOR SIC XXXX) from legacy import.</p> <p>Release point description should not contain the word CAP.</p>
Release Point Type	
<i>Description</i>	Type of release point (e.g. Area, Fugitive, Stack, Vent)
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_NET_EU_TYPE (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Release Point Type)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Use Area as the release point type for emissions that do not occur at a well-defined point.

Status

<i>Description</i>	Status of the release point during the reporting period
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Active, Idle, or Permanently Shutdown
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	<p>If the release point was active at any time during the reporting period, report it as active.</p> <p>If the release point was not active, you do not need to include emissions records for it.</p> <p>If the release point is Permanently Shutdown, then the release point ID is not allowed on any emission path.</p>

Permanent Shutdown Date

<i>Description</i>	Date the release point was permanently shutdown
<i>Data Type</i>	Date (MM/DD/YYYY)
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	Required if status is Permanently Shutdown, otherwise must be blank.

Height

<i>Description</i>	Release point height
<i>Data Type</i>	Number (Max Length: 4, Max Decimal Places: 1)
<i>Units of Measure</i>	Feet (ft)
<i>Valid Values</i>	<p>0 – 200 for area and fugitive release point types</p> <p>1.0 – 650.0 for vent and stack release point types</p>
<i>Required?</i>	Yes for stack and vent release point types, desired for other types
<i>Editable?</i>	Yes
<i>Notes</i>	<p>Height is desired for area and fugitive release point types.</p> <p>If width & length are reported, then height is desired.</p>

Height Units

<i>Description</i>	Units for release point height
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Feet (ft) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Height Units)
<i>Required?</i>	Yes for stack and vent release point types or if reporting Height
<i>Editable?</i>	Yes
<i>Notes</i>	None

Diameter

<i>Description</i>	Diameter of the release point
<i>Data Type</i>	Number (Max Length 4, Max Decimal Places: 1)
<i>Units of Measure</i>	Feet (ft)
<i>Valid Values</i>	0.001 – 300.000
<i>Required?</i>	Yes for stack and vent release point types
<i>Editable?</i>	Yes
<i>Notes</i>	Diameter must be < height for stacks and vents. WARNING ONLY - If flow rate, velocity, & diameter are reported, the flow rate is calculated. If the calculated value and the reported value differ by more than 5%, then user will receive a warning during final validation. (Flow Rate = {Pi} * (Diameter/2)^2 * Velocity).

Diameter Units

<i>Description</i>	Units for the release point diameter
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Feet (ft) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Diameter Units)
<i>Required?</i>	Yes for stack and vent release point types or if reporting Diameter
<i>Editable?</i>	Yes
<i>Notes</i>	None

Width

<i>Description</i>	Width of the area or fugitive release point
<i>Data Type</i>	Integer (Max Length: 6)
<i>Units of Measure</i>	Feet (ft)
<i>Valid Values</i>	1 – 10,000
<i>Required?</i>	Yes for area and fugitive release point types
<i>Editable?</i>	Yes
<i>Notes</i>	None

Width Units

<i>Description</i>	Units for width of the area or fugitive release point
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Feet (ft) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Width Units)
<i>Required?</i>	Yes for area and fugitive release point types or if reporting Width
<i>Editable?</i>	Yes
<i>Notes</i>	None

Length

<i>Description</i>	Length of the area or fugitive release point
<i>Data Type</i>	Integer (Max Length: 6)
<i>Units of Measure</i>	Feet (ft)
<i>Valid Values</i>	1 - 10,000
<i>Required?</i>	Yes for area and fugitive release point types
<i>Editable?</i>	Yes
<i>Notes</i>	None

Length Units

<i>Description</i>	Units of length of the area or fugitive release point
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Feet (ft) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Length Units)
<i>Required?</i>	Yes for area and fugitive release point types or if reporting Length
<i>Editable?</i>	Yes
<i>Notes</i>	None

Orientation

<i>Description</i>	Orientation of the release point from vertical in decimal degrees
<i>Data Type</i>	Integer (Max Length: 3)
<i>Units of Measure</i>	Decimal degrees
<i>Valid Values</i>	0 - 179 for area and fugitive release point types 0 - 180 for stack and vent release point types
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	See Section 6.8 for guidance. For example, 0 = up, 90 = horizontal, 180 = gooseneck. Value must be <= 180. For area and fugitive releases, enter the orientation of the long axis of the area (decimal degrees bearing from north, must be <= 179).

Exit Gas Flow Rate

<i>Description</i>	Exit gas flow rate
<i>Data Type</i>	Number (Max Length: 14, Max Decimal Places: 8)
<i>Units of Measure</i>	cubic feet per second (ft ³ /sec)
<i>Valid Values</i>	0.00000000 – 200,000.00000000 for area and fugitive release point types 0.00000001 – 200,000.00000000 for stack and vent release point types
<i>Required?</i>	For stack and vent release point types
<i>Editable?</i>	Yes
<i>Notes</i>	WARNING ONLY - If flow rate, velocity, & diameter are reported, the flow rate is calculated. If the calculated value and the reported value differ by more than 5%, then user will receive a warning during final validation. (Flow Rate = {Pi} * (Diameter/2) ² * Velocity).

Exit Gas Flow Rate Units

<i>Description</i>	Units for exit gas flow rate for the release point
<i>Data Type</i>	Reference List
<i>Valid Values</i>	cubic feet per second (ft ³ /sec) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Flow Rate Units)
<i>Required?</i>	Yes for stack and vent release point types or if reporting Exit Gas Flow Rate
<i>Editable?</i>	Yes
<i>Notes</i>	None

Exit Gas Velocity

<i>Description</i>	Velocity of the gas emitted from the release point
<i>Data Type</i>	Number (Max Length: 7, Max Decimal Places: 3)
<i>Units of Measure</i>	feet per second (ft/sec)
<i>Valid Values</i>	0.000 – 600.000 for area and fugitive release point types 0.001 – 1,000.000 for stack and vent release point types
<i>Required?</i>	Yes for stack and vent release point types
<i>Editable?</i>	Yes
<i>Notes</i>	WARNING ONLY - If flow rate, velocity, & diameter are reported, the flow rate is calculated. If the calculated value and the reported value differ by more than 5%, then user will receive a warning during final validation. (Flow Rate = {Pi} * (Diameter/2) ² * Velocity).

Exit Gas Velocity Units

<i>Description</i>	Units for exit gas velocity from the release point
<i>Data Type</i>	Reference List
<i>Valid Values</i>	feet per second (ft/sec) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Velocity Units)
<i>Required?</i>	Yes for stack and vent release point types or if reporting Exit Gas Velocity
<i>Editable?</i>	Yes
<i>Notes</i>	None

Exit Gas Temperature

<i>Description</i>	Temperature of the exit gas emitted from the release point
<i>Data Type</i>	Integer (Max Length: 4)
<i>Units of Measure</i>	Degrees Fahrenheit (F)
<i>Valid Values</i>	-30 – 3500
<i>Required?</i>	Yes for stack and vent release point types
<i>Editable?</i>	Yes
<i>Notes</i>	Use 77° F as the ambient temperature.

Exit Gas Temperature Units

<i>Description</i>	Units of temperature of gas emitted from the release point
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Degrees Fahrenheit (F) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Temperature Units)
<i>Required?</i>	Yes for stack and vent release point types or if reporting Exit Gas Temperature
<i>Editable?</i>	Yes
<i>Notes</i>	None

Exit Gas Moisture Content

<i>Description</i>	Exit gas moisture content
<i>Data Type</i>	Number (Max Length: 5, Max Decimal Places: 2)
<i>Units of Measure</i>	Percent
<i>Valid Values</i>	0.00 – 100.00
<i>Required?</i>	Yes for stack and vent release point types
<i>Editable?</i>	Yes
<i>Notes</i>	None

Longitude

<i>Description</i>	Longitude of release point
<i>Data Type</i>	Number (Max Length: 9, Max Decimal Places: 5)
<i>Units of Measure</i>	Decimal Degrees
<i>Valid Values</i>	-94.10000 – -88.50000
<i>Required?</i>	Yes (can be calculated automatically from UTM coordinates)
<i>Editable?</i>	No – see Section 6.9
<i>Notes</i>	<p>If you do not enter UTM coordinates, they will be calculated from the latitude and longitude when you save the record.</p> <p>If both UTM & Lat/Longs are reported, both must point to the same location.</p> <p>The release point coordinates for Fugitive and Area release point types should be the coordinates of the southwest corner of the area/facility.</p> <p>Provide coordinates for the actual location of each release point. Do not provide one coordinate for all release points and do not use the front gate coordinates as the coordinate for all the release points.</p>

Latitude

<i>Description</i>	Latitude of release point
<i>Data Type</i>	Number (Max Length: 8, Max Decimal Places: 5)
<i>Units of Measure</i>	Decimal Degrees
<i>Valid Values</i>	28.00000 – 33.10000
<i>Required?</i>	Yes (can be calculated automatically from UTM coordinates)
<i>Editable?</i>	No – see Section 6.9
<i>Notes</i>	<p>If you do not enter UTM coordinates, they will be calculated from the latitude and longitude when you save the record.</p> <p>If both UTM & Lat/Longs are reported, both must point to the same location.</p> <p>The release point coordinates for Fugitive and Area release point types should be the coordinates of the southwest corner of the area/facility.</p> <p>Provide coordinates for the actual location of each release point. Do not provide one coordinate for all release points and do not use the front gate coordinates as the coordinate for all the release points.</p>

UTM Easting

<i>Description</i>	Easting of the release point
<i>Data Type</i>	Number (Max Length: 8, Max Decimal Places: 1)
<i>Units of Measure</i>	Meters (m)
<i>Valid Values</i>	400,000.0 – 800,000.0 for UTM Zone 15 200,000.0 – 350,000.0 for UTM Zone 16
<i>Required?</i>	Yes
<i>Editable?</i>	No – see Section 6.9
<i>Notes</i>	<p>UTMs in NAD83 only.</p> <p>If you do not enter latitude and longitude, they will be calculated from the UTM coordinates when you save the record.</p> <p>If both UTM & Lat/Longs are reported, both must point to the same location.</p> <p>The release point coordinates for Fugitive and Area release point types should be the coordinates of the southwest corner of the area/facility.</p> <p>Provide coordinates for the actual location of each release point. Do not provide one coordinate for all release points and do not use the front gate coordinates as the coordinate for all the release points.</p>

UTM Northing

<i>Description</i>	Northing of the release point
<i>Data Type</i>	Number (Max Length: 9, Max Decimal Places: 1)
<i>Units of Measure</i>	Meters (m)
<i>Valid Values</i>	3,200,000.0 – 3,655,000.0 for UTM Zone 15 3,200,000.0 – 3,435,000.0 for UTM Zone 16
<i>Required?</i>	Yes
<i>Editable?</i>	No – see Section 6.9
<i>Notes</i>	UTMs in NAD83 only. If you do not enter latitude and longitude, they will be calculated from the UTM coordinates when you save the record. If both UTM & Lat/Longs are reported, both must point to the same location. The release point coordinates for Fugitive and Area release point types should be the coordinates of the southwest corner of the area/facility. Provide coordinates for the actual location of each release point. Do not provide one coordinate for all release points and do not use the front gate coordinates as the coordinate for all the release points.

UTM Zone

<i>Description</i>	UTM Zone in which the release point falls
<i>Data Type</i>	Integer (Max Length: 2)
<i>Units of Measure</i>	N/A
<i>Valid Values</i>	15 or 16 (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column UTM Zone)
<i>Required?</i>	Yes
<i>Editable?</i>	No – see Section 6.9
<i>Notes</i>	UTMs in NAD83 only.

Datum

<i>Description</i>	Datum of release point location (NAD83)
<i>Data Type</i>	Reference List
<i>Valid Values</i>	NAD83 (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Datum)
<i>Required?</i>	Yes
<i>Editable?</i>	No – see Section 6.9
<i>Notes</i>	UTMs in NAD83 only.

Horizontal Accuracy Measure\Accuracy

<i>Description</i>	Measure of accuracy of the coordinates provided
<i>Data Type</i>	Integer (Max Length: 6)
<i>Units of Measure</i>	Meters (m)
<i>Valid Values</i>	1 – 2000
<i>Required?</i>	Yes
<i>Editable?</i>	No – see Section 6.9
<i>Notes</i>	It is preferred that you determine and report the horizontal accuracy measure when possible, however, if it is not possible, an estimate is

acceptable or you can report 1 for the horizontal accuracy measure.

Horizontal Accuracy Measure Units/Accuracy Units	
<i>Description</i>	Units of horizontal accuracy measure of the release point
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Meters (m) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Horizontal Accuracy Units)
<i>Required?</i>	Yes
<i>Editable?</i>	No – see Section 6.9
<i>Notes</i>	None
Horizontal Collection Method	
<i>Description</i>	Method used to measure or estimate the coordinates of a release point
<i>Data Type</i>	Reference List
<i>Valid Values</i>	The list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Horizontal Collection Method
<i>Required?</i>	Yes
<i>Editable?</i>	No – see Section 6.9
<i>Notes</i>	Must be a valid and active collection method.

Additional Validations

If emissions are reported for a release point and the release point type is stack or vent, then diameter, flow rate, and velocity cannot be zero.

If status is Permanently Shutdown, inventory must not report emissions for the release point.

WARNING ONLY - If flow rate, velocity, & diameter are reported, the flow rate is calculated. If the calculated value and the reported value differ by more than 5%, then user will receive a warning during final validation. (Flow Rate = $\{Pi\} * (Diameter/2)^2 * Velocity$).

ERIC requires the release point specifications to be completed, even for atmospheric tanks. Use the guidance in [Section 6.7](#) for entering this information.

Some required fields can be left blank if the release point is in Idle or Permanently Shutdown status – see [Appendix A](#) for details.

Release point coordinates are checked to verify that they are within 500 meters (approximately 0.25 miles) of the coordinates reported on the Facility Information tab.

- If they are outside 500 meters, users will get an ERROR.
- If they are legitimately outside 500 meters, users must contact LDEQ (see [Section 1.3](#)) and request that the limit be increased. Once the request is received and the distance is verified, LDEQ will adjust the limit for that facility.
- The limit is retained from year to year and inventory to inventory.

Provide coordinates for the actual location of each release point. Do not provide one coordinate for all release points and do not use the front gate coordinates as the coordinate for all the release points.

5.9 Portable Source Locations

The tab labeled Portable Locations is intended for portable AIs, not sources or pieces of equipment that are portable within a stationary facility. Typically, portable AIs have permit numbers that begin with 7777.

Figure 5.9.1 Portable Locations Screen

Indicates Required Fields		Save	Cancel
Location ID:	<input type="text"/>	This is a facility-generated identifier (length limit is 6 letters/numbers/symbols).	
Release Point ID:	Not Set ▼	The release point that emitted at this location.	
Start Date:	<input type="text"/>	The date the release point was moved to this location.	
End Date:	<input type="text"/>	The date the release point was moved from this location.	
Parish:	Not Set ▼		
Longitude:	<input type="text"/>	Longitude/Latitude of the location in decimal degrees . NOTE - if you do not enter UTM coordinates, they will be calculated from the latitude and longitude when you save the record. Maximum of 5 decimal places.	
Latitude:	<input type="text"/>		
UTM Easting:	<input type="text"/>	NAD83 UTM Easting/Northing of the location in meters . NOTE - if you do not enter latitude/longitude, they will be calculated from the UTM coordinates when you save the record.	
UTM Northing:	<input type="text"/>		
UTM Zone:	Not Set ▼	UTM zone in which the location falls.	
Datum:	Not Set ▼	You must specify coordinates using the NAD83 datum.	
Accuracy:	<input type="text"/>	Measure of accuracy of the coordinates provided, in meters (whole numbers only).	
Accuracy Units:	Not Set ▼	You must select m .	
Horizontal Collection Method:	Not Set ▼	Method used to measure or estimate the coordinates of the release point.	

Table 5.9.1 Portable Location Data Elements

Location ID	
<i>Description</i>	Facility-generated identifier
<i>Data Type</i>	Text (Max Length: 6)
<i>Valid Values</i>	Must be unique within the inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None
Release Point ID	
<i>Description</i>	Facility-generated release point identifier that emitted at this location
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Release Point ID values in the current inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a release point on the Release Points tab in the current inventory without a set status or with an Active or Idle status.

No release points with a Permanently Shutdown status.

Start Date

<i>Description</i>	Date the release point was moved to this location
<i>Data Type</i>	Date (MM/DD/YYYY)
<i>Valid Values</i>	Must be within start/end dates of inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None

End Date

<i>Description</i>	Date the release point was moved from this location
<i>Data Type</i>	Date (MM/DD/YYYY)
<i>Valid Values</i>	Must be within start/end dates of inventory, must be greater than Start Date for this location.
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None

Parish

<i>Description</i>	Parish in which portable location primarily resides
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_PARISH_COUNTY (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Parish)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active parish.

Longitude

<i>Description</i>	Longitude of location
<i>Data Type</i>	Number (Max Length: 9, Max Decimal Places:5)
<i>Units of Measure</i>	Decimal Degrees
<i>Valid Values</i>	-94.10000 – -88.50000
<i>Required?</i>	Yes (can be calculated automatically from UTM coordinates)
<i>Editable?</i>	Yes
<i>Notes</i>	If you do not enter UTM coordinates, they will be calculated from the latitude and longitude when you save the record. If both UTM & Lat/Longs are reported, both must point to the same location. Provide coordinates for the actual location of each portable source location. Do not provide one coordinate for all portable source locations and do not use the front gate coordinates as the coordinate for all the portable source locations.

Latitude

<i>Description</i>	Latitude of location
<i>Data Type</i>	Number (Max Length: 8, Max Decimal Places: 5)
<i>Units of Measure</i>	Decimal Degrees
<i>Valid Values</i>	28.00000 – 33.10000
<i>Required?</i>	Yes (can be calculated automatically from UTM coordinates)
<i>Editable?</i>	Yes
<i>Notes</i>	If you do not enter UTM coordinates, they will be calculated from the latitude and longitude when you save the record. If both UTM & Lat/Longs are reported, both must point to the same location. Provide coordinates for the actual location of each portable source location. Do not provide one coordinate for all portable source locations and do not use the front gate coordinates as the coordinate for all the portable source locations.

UTM Easting

<i>Description</i>	Easting of the location
<i>Data Type</i>	Number (Max Length: 8, Max Decimal Places: 1)
<i>Units of Measure</i>	Meters (m)
<i>Valid Values</i>	400,000.0 – 800,000.0 for UTM Zone 15 200,000.0 – 350,000.0 for UTM Zone 16
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	UTMs in NAD83 only. If you do not enter latitude and longitude, they will be calculated from the UTM coordinates when you save the record. If both UTM & Lat/Longs are reported, both must point to the same location. Provide coordinates for the actual location of each portable source location. Do not provide one coordinate for all portable source locations and do not use the front gate coordinates as the coordinate for all the portable source locations.

UTM Northing

<i>Description</i>	Northing of the location
<i>Data Type</i>	Number (Max Length: 9, Max Decimal Places: 1)
<i>Units of Measure</i>	Meters (m)
<i>Valid Values</i>	3,200,000.0 – 3,655,000.0 for UTM Zone 15 3,200,000.0 – 3,435,000.0 for UTM Zone 16
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	UTMs in NAD83 only. If you do not enter latitude and longitude, they will be calculated from the UTM coordinates when you save the record. If both UTM & Lat/Longs are reported, both must point to the same

location.

Provide coordinates for the actual location of each portable source location. Do not provide one coordinate for all portable source locations and do not use the front gate coordinates as the coordinate for all the portable source locations.

UTM Zone

<i>Description</i>	UTM Zone in which the location falls
<i>Data Type</i>	Integer (Max Length: 2)
<i>Units of Measure</i>	N/A
<i>Valid Values</i>	15 or 16 (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column UTM Zone)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	UTMs in NAD83 only.

Datum

<i>Description</i>	Datum of location (NAD83)
<i>Data Type</i>	Reference List
<i>Valid Values</i>	NAD83 (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Datum)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	UTMs in NAD83 only.

Horizontal Accuracy Measure

<i>Description</i>	Measure of accuracy of the coordinates provided
<i>Data Type</i>	Integer (Max Length: 4)
<i>Units of Measure</i>	Meters (m)
<i>Valid Values</i>	1 – 2000
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None

Horizontal Accuracy Measure Units

<i>Description</i>	Units of horizontal accuracy measure of the location
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Meters (m)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None

Horizontal Collection Method

<i>Description</i>	Method used to measure or estimate the coordinates of a location
<i>Data Type</i>	Reference List
<i>Valid Values</i>	The list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Horizontal Collection Method
<i>Required?</i>	Yes

<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active collection method.

5.10 Emissions

Figure 5.10.1 Emissions Screen

Indicates Required Fields		Save	Cancel
Source ID:	<input type="text" value="Not Set"/>	The source that generated this emission.	
Process ID:	<input type="text" value="Not Set"/>	The process that the source was operating when it generated this emission. Not required for fugitive emissions, insignificant activities, or GCXVII emissions when reported as an aggregate area source.	
Control System ID:	<input type="text" value="Not Set"/>	The control system (if any) that controlled this emission.	
Release Point ID:	<input type="text" value="Not Set"/>	The release point from which this emission was released to the atmosphere.	
Location ID:	<input type="text" value="Not Set"/>	The location of the release point, if part of a portable facility.	
Emission Type:	<input type="text" value="Not Set"/>	Emissions classifications such as Routine, Startup/Shutdown, etc.	
Pollutant:	<input type="text" value="Not Set"/>		
Total Emissions:	<input type="text"/>	Enter the total emissions for the reporting period. Enter emissions of Criteria Pollutants and HRVOCs in tons, Toxic Air Pollutants in pounds .	
Emissions Units:	<input type="text" value="Not Set"/>	Report Criteria Pollutant and HRVOC emissions in tons, Toxic Air Pollutant emissions in pounds .	
Estimation Method:	<input type="text" value="Not Set"/>	Method used to calculate or estimate the annual emissions.	
Ozone Season Emissions:	<input type="text"/>	Enter average daily emissions in lb/day during the peak ozone season, if required.	
Ozone Season Emissions Units:	<input type="text" value="Not Set"/>	Average daily emissions in lb/day during the peak ozone season.	
Ozone Season Estimation Method:	<input type="text" value="Not Set"/>	Method used to calculate or estimate the ozone season emissions.	

Table 5.10.1 Emissions Data Elements

Source ID	
<i>Description</i>	Facility-generated identifier for the source that generated the emissions
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Source ID values in current inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a source on the Sources tab in the current inventory without a set status or with an Active or Idle status. No sources with a Permanently Shutdown status.

Process ID

<i>Description</i>	Facility-generated identifier for the process that the source was operating when it generated these emissions
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Process ID values in current inventory
<i>Required?</i>	Yes except for fugitive emissions, insignificant activities, or GCXVII emissions.
<i>Editable?</i>	Yes
<i>Notes</i>	Not required for fugitive emissions, insignificant activities, or GCXVII emissions when reported as an aggregate area source. Must be a process on the Processes tab in the current inventory without a set status or with an Active or Idle status. No processes with a Permanently Shutdown status. Source ID on this process record must be the same as the Source ID on this emissions record.

Control System ID

<i>Description</i>	Facility-generated identifier of the control system (if any) that controlled this emission
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Control System ID values in current inventory
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a control system on the Control Systems tab in the current inventory without a set status or with an Active or Idle status. No control systems with a Permanently Shutdown status.

Release Point ID

<i>Description</i>	Facility-generated identifier of the release point from which the emission was released to the atmosphere
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Release Point ID values in current inventory
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a release point on the Release Points tab in the current inventory without a set status or with an Active or Idle status. No release points with a Permanently Shutdown status.

Location ID

<i>Description</i>	Facility generated identifier of the location of the release point, if the facility is a portable source (see Section 5.9)
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Location ID values in current inventory
<i>Required?</i>	No
<i>Editable?</i>	Yes
<i>Notes</i>	If the emission occurred at one of the portable locations associated with the release point and not at the coordinates on the release point record. Release Point ID on this location record must be the same as the Release Point ID on this emission record.

Emission Type

<i>Description</i>	Emissions classification such as Routine, Startup/Shutdown, etc.
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_EMIS_TYPE (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Emission Type)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active Emissions type. Emission type Routine & Startup/Shutdown is no longer available. If you have previously reported emissions using this emission type, you must separate the routine emissions from the startup/shutdown emissions and report them as separate Emissions Paths.

Pollutant

<i>Description</i>	Pollutant (or pollutant class) for emissions
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_EI_RY_PARAMETER (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Pollutant)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active pollutant for the reporting year. Only report the pollutants on the pollutant list. If a pollutant is not on the list, then it does not need to be reported. If PM2.5 is present, then PM10 must be present. PM2.5 emissions must be <= PM10 emissions. WARNING ONLY - Emissions should be reported for pollutants reported in control efficiencies.

Total Emissions

<i>Description</i>	Total emissions for the reporting period
<i>Data Type</i>	Number (Max Length: 15, Max Decimal Places: 6)
<i>Units of Measure</i>	Tons (tons), pounds (lb)
<i>Valid Values</i>	-999999999.999999 – 999999999.999999
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	<p>Emissions MUST be reported in tons for criteria pollutants, lbs for TAPs.</p> <p>If source status is Idle, then emissions can not be >0.</p> <p>You must include VOC TAP emissions in Total VOC emissions, even if reporting only criteria pollutant emissions as well as if you are reporting both criteria pollutant and TAP emissions. ERIC does not automatically include VOC TAP emissions in the Total VOC.</p> <p>Total and individual VOC TAPs must be <= Total VOC (within a tolerance of 25 lb) by Emissions Path and facility totals.</p> <p>If the Total VOC is less than 0.005 tons and is not being reported per the guidance, and you receive an error that VOC TAPs must be <= Total VOC, then you will need to report the Total VOC emissions.</p> <p>WARNING ONLY - Emissions should be reported for pollutants reported in control efficiencies.</p> <p>Do not create a separate Source ID for emissions source of TAPs. Report both criteria pollutant emissions and TAP emissions under the same Source ID.</p> <p>If a control system ID is present on the Emissions Path, then a control efficiency must be present on the control efficiencies tab for that control system ID.</p> <p>With regards to a leap year: If a source operated year round, emissions should be calculated using 8784 hours/year and then facilities should report 24 hours, 7 days, 52 weeks (8760 hours/year) on the process.</p>

Emissions Units

<i>Description</i>	Units for emissions reported
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Tons (tons), pounds (lb) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Emissions Units)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	None

Estimation Method

<i>Description</i>	Method used to calculate or estimate the total emissions
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_QUANT_METHOD (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Emissions Estimation Method)
<i>Required?</i>	Yes
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active emission estimation method. If the emission estimation method is Emission Factor, the inventory must contain an emission factor record for this process and pollutant.

Ozone Season Emissions

<i>Description</i>	Average daily emissions during the peak ozone season
<i>Data Type</i>	Number (Max Length: 15, Max Decimal Places: 6)
<i>Units of Measure</i>	lb/day
<i>Valid Values</i>	-999999999.999999 – 999999999.999999
<i>Required?</i>	Yes for facilities in ozone nonattainment areas
<i>Editable?</i>	Yes
<i>Notes</i>	Reported emissions should be the average daily emissions in lb/day measured only during the peak ozone season. If source status is Idle, then emissions can not be >0. Total and individual VOC TAPs must be <= Total VOC (within a tolerance of 25 lb) by Emissions Path and facility totals. If source status is Idle, then emissions can not be >0. You must include VOC TAP emissions in Total VOC emissions, even if reporting only criteria pollutant emissions as well as if you are reporting both criteria pollutant and TAP emissions. ERIC does not automatically include VOC TAP emissions in the Total VOC. If the Total VOC is less than 0.005 tons and is not being reported per the guidance, and you receive an error that VOC TAPs must be <= Total VOC, then you will need to report the Total VOC emissions. WARNING ONLY - Emissions should be reported for pollutants reported in control efficiencies. Do not create a separate Source ID for emissions source of TAPs. Report both criteria pollutant emissions and TAP emissions under the same Source ID. If a control system ID is present on the Emissions Path, then a control efficiency must be present on the control efficiencies tab for that control system ID. Emissions should be reported for pollutants reported in control efficiencies. Ozone season is May 1 through September 30, inclusively, as defined in LAC 33:III.919.E.

Ozone Season Emissions Units

<i>Description</i>	Units for ozone season emissions
<i>Data Type</i>	Reference List
<i>Valid Values</i>	Pounds per day (lb/day) (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Ozone Emissions Units)
<i>Required?</i>	Yes for facilities in ozone nonattainment areas)
<i>Editable?</i>	Yes
<i>Notes</i>	Ozone season is May 1 through September 30, inclusively, as defined in LAC 33:III.919.E.

Ozone Season Estimation Method

<i>Description</i>	Method used to calculate or estimate the ozone season emissions
<i>Data Type</i>	Reference List
<i>Valid Values</i>	TEMPO: MTB_QUANT_METHOD (the list of valid values can be found on a downloaded inventory (see Section 3.8) on the Lookups worksheet under the column Emissions Estimation Method)
<i>Required?</i>	Yes for facilities in ozone nonattainment areas
<i>Editable?</i>	Yes
<i>Notes</i>	Must be a valid and active emission estimation method. Ozone season is May 1 through September 30, inclusively, as defined in LAC 33:III.919.E. If the emission estimation method is Emission Factor, the inventory must contain an emission factor record for this process and pollutant.

Additional Validations

If an Emissions Path reports PM2.5 emissions, it must also report PM10 emissions.

Emissions of criteria pollutants MUST be reported in TONS. For TAPs, all emissions must be reported in POUNDS (lbs). For all emissions values labeled as annual, the emissions value must represent the sum total emissions for the reporting period. For ozone season emissions, the value must be the average daily emissions during the ozone season in pounds per day (lbs/day).

For criteria pollutants:

- Report to two decimal places minimum
- Als are not required to report emissions < 0.005 tons for an Emissions Path

For TAPs:

- If the pollutant is a dioxin/furan, Als are required to report to 6 decimal places
- If the MER for the pollutant is < 50 lbs/yr, Als are required to report to 3 decimal places
- Als are not required to report emissions < 0.005 lbs/yr for an Emissions Path unless the pollutant is a dioxin/furan (in which case 6 decimal places are required) or if the MER is less than 50 lbs/yr (in which case 3 decimal places are required)
- For all other toxic pollutants, report to a minimum of two decimal places

Do not report emissions for individual TAPs unless you are subject to reporting under LAC 33:III.5107. However, emissions for toxic VOCs should be included in the Total VOC emissions reported for under LAC 33:III.919. Also do not report pollutants not listed on the ERIC emissions page.

Do not report TAPs unless you are subject to reporting under LAC 33:III.5107. Also do not report pollutants not listed on the ERIC emissions page.

If you report emissions for a TAP that is also a VOC, you need to include those emissions in your Total VOC for criteria pollutant inventory. ERIC does not automatically include toxic VOCs in the Total VOC. You must do this manually, but toxic VOCs will be subtracted from Total VOC for invoicing purposes.

Emissions authorized under an Emergency Order should be reported as Variance Emissions.

For sources that emit TAPS, it does not matter how they are permitted. If the emissions are VOC TAPs, and they are required to be reported per LAC 33:III.5107, then they are reported as such and their emissions should be included in the Total VOC emissions.

5.11 Additional Inventory Validations

You cannot report TAPs on a Criteria inventory (except Ammonia). You cannot report criteria pollutants on a Toxic inventory (except Ammonia). You can report both types of pollutant on a Criteria and Toxic inventory.

The sum of emissions for all pollutants should be less than or equal to 800,000 tons for the entire inventory. The ozone season emissions sum for all pollutants should be less than 800,000 tons/day.

Total PM2.5 emissions must be less than or equal to total PM10 emissions.

All pollutants for which emission factors are specified must also have emissions records.

All control systems referenced on emissions records must have control efficiencies reported for the pollutants reports in the emissions records.

All pollutants for which control efficiencies are reported must also have emission records.

For Criteria and Criteria and Toxic inventories, the total TAPVOC emissions must be less than or equal to the total VOC emissions.

For Criteria and Criteria and Toxic inventories, the reported TAPVOC emissions must be less than or equal to the total VOC emissions for each Emissions Path.

All release point coordinates must be within a specified distance from the facility front gate. The distance limit is set by LDEQ for each ERIC account.

6 Specific Reporting Instructions

6.1 Reporting Deadlines

Each reporting year emissions data are due April 30 unless directed otherwise by LDEQ.

The emission inventory includes, at a minimum:

- Facility Info
- Contact Info
- Certification Statement signed by a Responsible Official

Please note that the LDEQ may provide additional reporting instructions (e.g., transition year). Please refer to the ERIC website for specifics and changes.

6.2 Grouping Similar Sources

Facilities may group similar sources/processes if, in aggregate, emissions are

- < 5 tons criteria pollutants
- < MER for TAPs

Create an Emissions Path for the group Source, Process, and Release Point.

6.3 Reporting of GCXVII, Insignificant Activities, and Fugitive Emissions

All emissions that occur during the reporting period **MUST** be reported, regardless of the emissions type or the source or activity that generates the emissions. Emissions authorized under GCXVII or as Insignificant Activities must be reported, but may be aggregated (by type) under a single Source ID for each permit (not facility-wide if more than one permit covers the facility). Fugitive emissions may also be reported as a single Source ID for each permit under which the facility operates. To recap:

- May aggregate IA by Permit (not facility-wide)
 - Report as area release point with dimensions of area where activity occurs
 - Report Insignificant Activity Lists A and D (LAC 33:III.501.B.5)
 - Do not report Insignificant Activity Lists B or C (LAC 33:III.501.B.5)
- May aggregate GCXVII by Permit (not facility-wide)
 - Report as area release point with dimensions of area where activity occurs
- May report by activity type
- May aggregate Fugitives by Permit (not facility-wide)
 - Release point type for Fugitives is Fugitive.

Use the appropriate value from the dropdown menu for Source Type – entries are provided for Fugitive Emissions, Insignificant Activities, and GCXVII Emissions. For these source types, you should not define a Process record, and do not select a Process as part of the Emissions Path on the Emissions record.

The release point type for Fugitive Emissions source type is Fugitive. The release point type for GC XVII Emissions and Insignificant Activities source types is Area.

6.4 Inactive or Demolished Sources

Do not report inactive sources or sources that have been demolished, sold, or otherwise removed. The Emissions records should only include non-zero emissions of pollutants – you should only include Sources, Processes, Control Equipment, Release Points, and Portable Source Locations that are part of the Emission Paths reported in your Emission records.

Sources, Release Points, Processes, Control Systems, etc. can be removed from the inventory if they have been removed from service, permanently shutdown, dismantled, no longer used, obsolete, etc. and chances are that they will never operate again. If you have a source that is just idle and chances are it will operate again in the future, it may be helpful to keep it in the inventory and set the source status as idle.

6.5 Ownership Transfer

If your facility underwent a transfer of ownership during the reporting year, you must file the appropriate paperwork with LDEQ in a timely manner. At that point, you can request a new ERIC account be set up for the new owner. The start/end dates of an inventory should correspond to the start/end dates of ownership in TEMPO. If not, the inventory can not be submitted until the dates are corrected in TEMPO, either through the name/ownership change process or by contacting facupdate@la.gov to correct the dates according to the approved name/ownership change paperwork in EDMS.

- Each owner will have their own account in ERIC for the AI
 - Access to these accounts is the same as any other account
 - Contact the LDEQ staff assigned to the facility's parish for account set up and initial access
- Each account's inventory start and end dates should correspond to the dates of ownership in TEMPO
 - i.e., if Jackie sold her oil and gas facility to Michelle on March 1:
 - Jackie's inventory will be 1/1/2011 – 2/28/2011
 - Michelle's inventory will be 3/1/2011 – 12/31/2011
 - If the dates are not correct in TEMPO, they will be required to be corrected before submitting the inventory
 - Ownership dates in TEMPO are dependent upon the change of ownership forms submitted to the department in accordance with LAC 33:III.517.G
 - Emissions should be for the period of ownership during the reporting year
- The new owner can not report for the entire year as it was done in the past
- Each owner's inventory will be invoiced according to the emissions reported in the inventory.

6.6 Guidance for Annual Average Throughput and Annual Average Heat Content

1. **Annual Average Throughput** is a measurable factor or parameter that relates directly or indirectly to the emissions of an air pollution source during the period for which emissions are reported.
 - a. Depending on the SCC, the throughput may refer to the amount of fuel combusted, raw material processed, product manufactured, or material handled or processed over a specific period of time.
 - b. Throughput is typically the value that is multiplied against an emission factor to generate an emissions estimate.
 - c. Common units include lbs/hr, tons/day, MMscf/yr, etc.
 - d. However, we prefer that you report the calculation parameter. For example, if the calculations require the MMBtu/year to get emissions, then we want you to report the MMBtu/year in the throughput. If the calculations require MMscf/year, then we want to see MMscf/year as the throughput.
 - e. For combustion processes, throughput is a measure of heat content over time.
 - f. If using an emission factor for calculating emissions, the reported throughput should coincide with the emission factor and the activity used in the emission factor calculation.
2. **Annual Average Heat Content** is the amount of thermal heat energy in a solid, liquid, or gaseous fuel. It is required for SCCs on a combustion device.
 - a. For Emission Inventory purposes, the annual average heat content is the heat content for a standard unit of the fuel used by the source, for example 1040 MMBtu/scf of gas.
 - b. Removed – no longer applicable.
 - c. Btu/hr is a unit of power. It is the measure of energy over a specific time period. It is not the heat content.
 - d. For combustion processes, do not report MMBtu/year or MMBtu/hr. The heat content is expressed as BTU/gal, BTU/scf, or BTU/ton.
 - e. Removed – no longer applicable.
 - f. Heat content is not a measure of time. It is a measure of the concentration of heat energy per physical unit of fuel.

6.7 ERIC Release Point Parameters for Tank Sources

ERIC Release Point Parameters for Tank Sources

Tank Construction	Release Type	Height	Diameter	Width	Length	Orientation	Velocity	Flow Rate	Temperature	Coordinates
Fixed Roof	Vent	Tank roof height	Vent pipe diameter (use 4 inches if unknown)	N/A	N/A	Example: gooseneck = 180	0.003 ft/s ⁽¹⁾	= velocity ft/s x vent opening area ⁽²⁾ (ft ²)	Bulk liquid temperature if heated tank, 70 F if unheated	Location of vent
Internal Floating Roof ⁽³⁾	Vent	Tank roof height	Vent pipe diameter (use 4 inches if unknown)	N/A	N/A	Example: gooseneck = 180	0.003 ft/s ⁽¹⁾	= velocity ft/s x vent opening area ⁽²⁾ (ft ²)	Bulk liquid temperature if heated tank, 70 F if unheated	Location of vent
Horizontal	Vent	Highest point from ground	Vent pipe diameter (use 4 inches if unknown)	N/A	N/A	Example: gooseneck = 180	0.003 ft/s ⁽¹⁾	= velocity ft/s x vent opening area ⁽²⁾ (ft ²)	Bulk liquid temperature if heated tank, 70 F if unheated	Location of vent
External Floating Roof	Area	N/A	N/A	Tank diameter	Tank diameter	N/A	N/A	N/A	N/A	Center point of tank

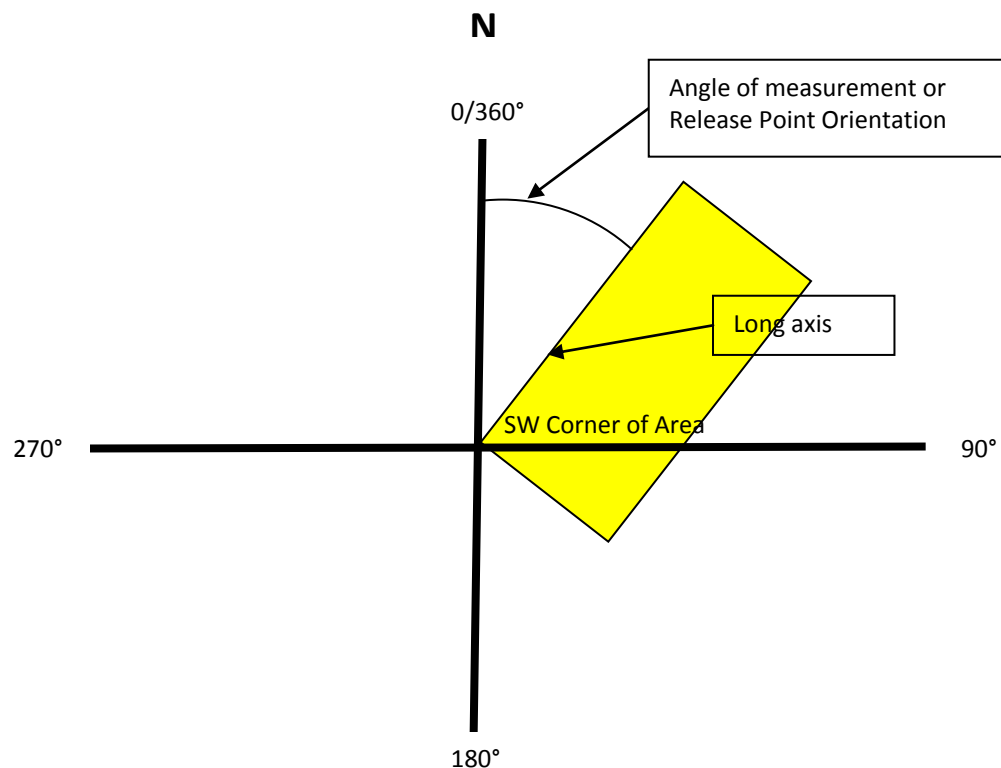
⁽¹⁾ The velocity will need to be adjusted if an inert gas purge stream (such as nitrogen) is used.

⁽²⁾ Vent Opening Area is $\pi \times \text{Radius}^2$. Radius = Diameter/2.

⁽³⁾ Internal floating roof tanks that do not have a single vent for emissions, but have a series of vents/openings around the perimeter of the tank can be reported as an External Floating Roof tank with a release point type of Area.

Diameter is only used in models to calculate flow rate, therefore, it is more important to have velocity and flow rate as accurate as possible and if necessary, adjust diameter to pass validation.

6.8 Release Point Orientation for Area and Fugitive Release Points in ERIC



- For area and fugitive releases, represent the area as a rectangle and plot the SW corner of the rectangle on the origin of an x/y graph and measure the distance from the long axis, in decimal degrees from North, measured positive in the clockwise direction. The long axis is the longest side of a quadrangle.
- The release point coordinates for a Fugitive and Area release point types should be the coordinates of the southwest corner.
- Stack and vent release point types are limited to 0-180 decimal degrees.
- Fugitive and area release point types are limited to 0-179 decimal degrees.

When the long axis falls west of north, like Figure A, extend the long axis into east of north and measure the angle as in Figure B.

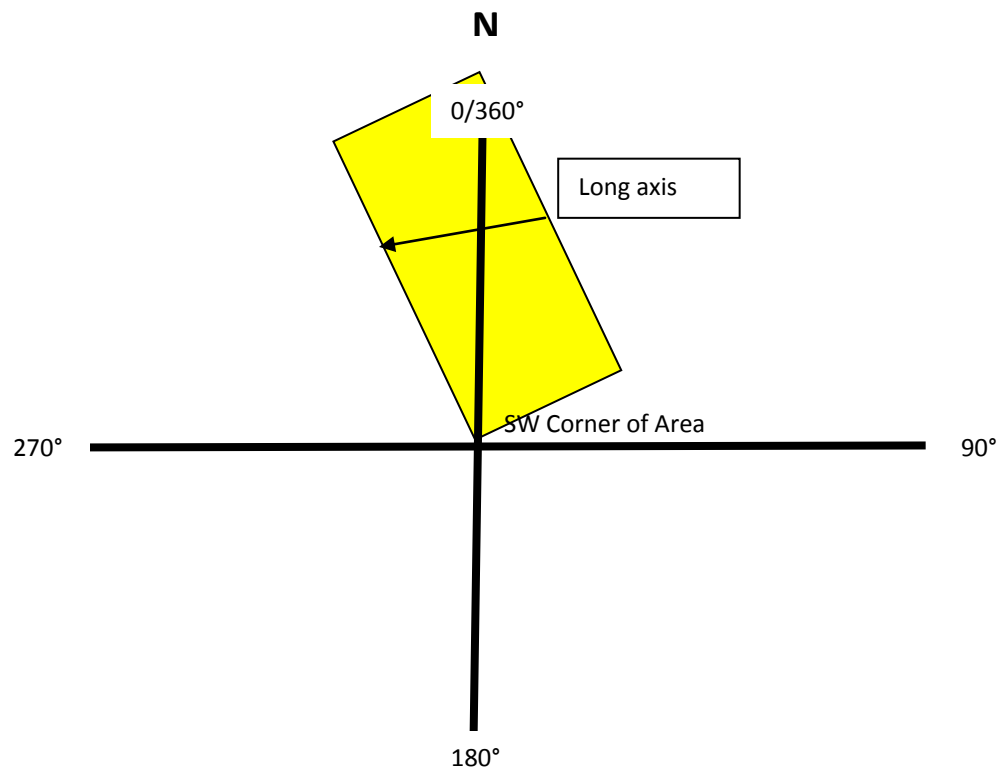


Figure A: Long axis west of north

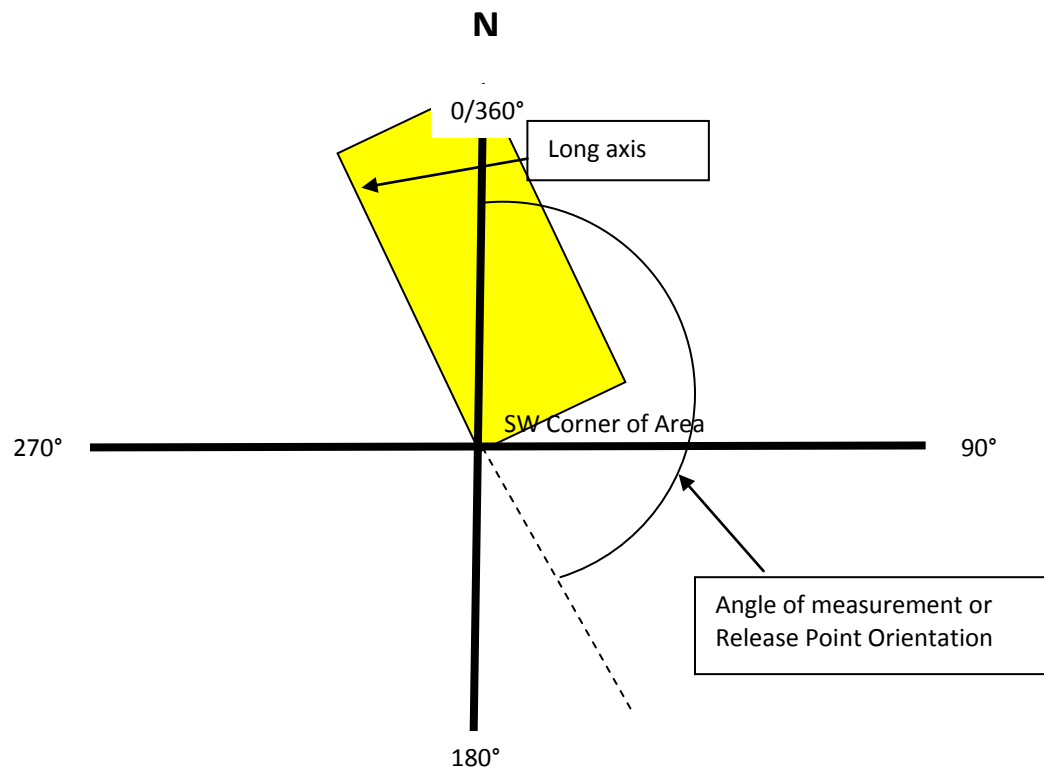


Figure B: Finding the Release Point Orientation by extending the long axis east of north.

6.9 Revising or Adding Release Point Coordinates

6.9.1 Release Point Distance Limit

As of Reporting Year 2011, LDEQ updated the validations within the ERIC system with regard to release point locations. Specifically, the system default for the distance between the front gate coordinates and any release point coordinates is 500 meters (approximately 0.25 miles). LDEQ can increase this on a case-by-case basis.

There are a number of tools that are available to help users to quickly and easily visualize the locations of all their release points on a satellite image. One tool that LDEQ staff use can be found at this website:

<http://www.earthpoint.us/ExcelToKml.aspx>. Tools such as this allow data to be imported from a spreadsheet and converted to the format (.kml) that Google Earth requires.

LDEQ does not endorse nor require the use of any specific application or service. Other tools are available on the internet that can perform the same tasks. Likewise, LDEQ staff cannot answer questions about how to use these tools.

6.9.2 Locked Release Point Coordinates

As of Reporting Year 2012, release point coordinates are LOCKED and users can no longer edit them or add coordinates without approval by LDEQ. If release point coordinates need to be added or revised, there are two options.

1. Update release point coordinates in ERIC online:
 - a. Adding a new release point in ERIC:
 - i. Create the release point in ERIC.
 - ii. Save the new release point.
 - iii. Follow the directions for Editing a release point in ERIC below:
 - b. Editing a release point in ERIC:
 - i. Edit the release point in ERIC
 - ii. Click *Request Changes*

The information below is locked. Click here to submit coordinate changes for approval.		
Longitude:	-91.20342	Longitude/Latitude of release point in decimal degrees . For area and fugitive release point types, longitude/latitude of the center of the area. NOTE - if you do not enter UTM coordinates, they will be calculated from the latitude and longitude when you save the record. Maximum of 5 decimal places.
Latitude:	30.55325	
UTM Easting:	672321	NAD83 UTM Easting/Northing of release point in meters . For area and fugitive release point types, NAD83 UTM Easting/Northing of the center of the area. NOTE - if you do not enter latitude/longitude, they will be calculated from the UTM coordinates when you save the record.
UTM Northing:	3381466	
UTM Zone:	15	UTM zone in which the release point (or area centroid) falls.
Datum:	NAD83	You must specify coordinates using the NAD83 datum.
Accuracy:	6	Measure of accuracy of the coordinates provided, in meters (whole numbers only).
Accuracy Units:	m	You must select m .
Horizontal Collection Method:	GPS-Unspecified	Method used to measure or estimate the coordinates of the release point.

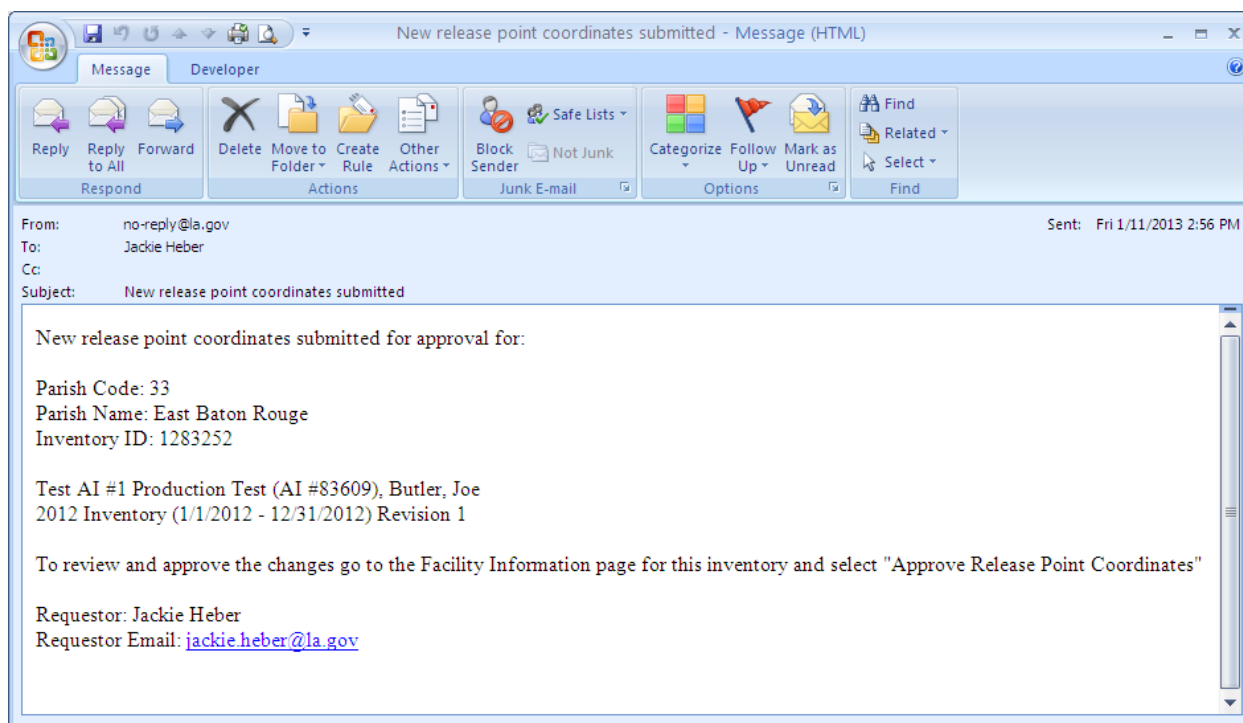
- iii. Complete the Release Point Coordinate Change Request Form. If you wish to delete coordinates, just delete the existing data from the form.

1. If you are changing longitude/latitude, delete the UTM coordinates first.
2. Change the longitude/latitude and upon clicking the *Save and send email for change request approval* button, the UTM coordinates will be calculated and populated.
3. If you are changing UTM coordinates, delete the longitude/latitude coordinates first.
4. Change the UTM coordinates and upon clicking the *Save and send email for change request approval* button, longitude/latitude will be calculated and populated.

Release Point Coordinate Change Request Form for Release Point: RAT513		
Enter the proposed new coordinates. Click the "Save and send email for change request approval" button to generate an email notification to the DEQ staff assigned to your parish for approval. Be sure that these are changes you want approved before saving.		
Longitude:	<input type="text" value="-91.20342"/> x	Longitude/Latitude of release point in decimal degrees . For area and fugitive release point types, longitude/latitude of the center of the area. NOTE - if you do not enter UTM coordinates, they will be calculated from the latitude and longitude when you save the record. Maximum of 5 decimal places.
Latitude:	<input type="text" value="30.55325"/>	
UTM Easting:	<input type="text" value="672321"/>	NAD83 UTM Easting/Northing of release point in meters . For area and fugitive release point types, NAD83 UTM Easting/Northing of the center of the area. NOTE - if you do not enter latitude/longitude, they will be calculated from the UTM coordinates when you save the record.
UTM Northing:	<input type="text" value="3381466"/>	
UTM Zone:	<input type="text" value="15"/> v	UTM zone in which the release point (or area centroid) falls.
Datum:	<input type="text" value="NAD83"/> v	You must specify coordinates using the NAD83 datum.
Accuracy:	<input type="text" value="6"/>	Measure of accuracy of the coordinates provided, in meters (whole numbers only).
Accuracy Units:	<input type="text" value="m"/> v	You must select m .
Horizontal Collection Method:	<input type="text" value="GPS-Unspecified"/> v	Method used to measure or estimate the coordinates of the release point.
<div style="text-align: center;"> <input type="button" value="Save and send email for change request approval"/> <input type="button" value="Cancel"/> </div>		

- iv. Click the button *Save and send email for change request approval*.

- v. An email will be sent to the LDEQ staff assigned to the AIs parish.



- vi. Click Save or Cancel on the release point edit screen. Clicking Cancel does not cancel the release point coordinate change request.
- vii. LDEQ staff will review the coordinates and either approve or deny the change request.
- viii. LDEQ staff will send the requester a response with the action taken.
2. Add the release point along with the coordinates or edit the release point coordinates in the downloaded spreadsheet and then upload the spreadsheet.
- i. Upon upload, an email will be sent to the LDEQ staff assigned to the AIs parish.
- ii. LDEQ staff will review the coordinates and either approve or deny the change request.
- iii. LDEQ staff will send the requester a response with the action taken.

If you try to submit before changes have been approved or denied, you can still submit, however, all changes will be lost.

If you have added a new release point with coordinates and try to submit, upon validation, you will receive errors for missing the required release point coordinate data.

After your coordinates have been approved, be sure to download the inventory again to capture the newly revised or added coordinates. Or, add the approved coordinates to your spreadsheet. If you upload again without adding the approved coordinates, you will generate another request to delete the coordinates.

If you are using someone else's portal account login, the response from LDEQ staff will be sent to the email address of the portal account making the request. Be sure to login with your own portal account. This will ensure that the response from LDEQ will be sent to you.

If you did not select a base year when starting your inventory, your inventory will be empty. If you then upload a previous year's inventory, ERIC will view the release point coordinates as "new" and a request for review will be generated and sent to LDEQ. LDEQ will review the coordinates and respond as appropriate. If the coordinates are

not accurate and do not reflect the actual location of the release points, chances are LDEQ will reject the coordinates, even if they were submitted a prior year. The goal is for ERIC to have accurate release point coordinates.

6.10 Helpful Hints

6.10.1 General Assistance

Check the ERIC home page frequently for updated information, manuals, etc.

6.10.2 Download/Upload Problems

Upload and download the spreadsheet daily if that is your data entry method. ERIC and the spreadsheet are updated frequently (particularly the valid values lists used to provide inline validation and drop-down menus in Excel) and the best way to avoid upload and validation errors is to have the current version of the spreadsheet.

If you have a problem or question relative to the downloading or uploading of an inventory file, take a screen shot of the error message and include that along with the spreadsheet file in an email to enable LDEQ staff to better assist you.

6.10.3 General Information

When building your inventory in ERIC, it is not necessary to represent information contained in your permit exactly how it is in the permit because the inventory is separate from the permit. Where we can crosswalk the ERIC information to the permit, we have provided fields. It is not necessary to "duplicate" the permit in the inventory.

CAPs are a function of permits and should not be represented in the inventory as a CAP. All the equipment in the CAP should be reported individually as Sources, Processes, Release Points, and/or Control Systems. Do not represent CAPs as area sources or release points.

Emissions should be reported as they are calculated.

If a value is missing from a dropdown list or a reference sheet, please email us and request that it be added. Until it is added, you can select Other, Not Applicable, Unknown, if available, or the next best option.

Tanks should have two processes associated with them; one for working losses and one for breathing or standing losses. All of the throughput should go on the process for the working losses and the throughput data should be zero for the breathing/standing process. The emissions should be calculated for both working and breathing/standing and broken out by these processes on the emissions tab. Keep in mind that emissions should be reported as they are calculated. If working losses are calculated separately from breathing or standing losses, then they should be reported separately.

Ammonia emissions are collected using the only ammonia on the pollutant list, which is the TAP ammonia. If you need to report ammonia for criteria purposes, then select the only ammonia on the pollutant list and report the emissions in pounds, EVEN IF YOU DO NOT REPORT TAPs, PER LAC 33:III.5107. If you need to report ammonia for both criteria and toxic emissions, then select the only ammonia on the pollutant list and report the emissions in pounds. It will count towards both toxic emissions and criteria emissions.

When submitting and certifying data in ERIC; you are not certifying TEMPO or the data in TEMPO. The certification statement only applies to the data within the inventory in ERIC.

When a previously used selection from a drop down menu is in red, this means the choice is no longer valid and a new selection must be made.

Many fields have value ranges defined that do not allow 0.

- If reporting 0 was the method of showing this item is no longer operating, either temporary or permanently, you will now be required to either remove the item all together or change the status to Idle or Permanently Shutdown.
- If reporting 0 was the method of showing that there isn't data for this field, then leave the field blank.

Subject Item IDs are assigned through TEMPO. It can be found in the permit, if generated through TEMPO, or on the list of valid Subject Items in the help text in ERIC. The subject item ID field is required. If you do not know it or do not have one assigned, you may enter Not Listed.

Routine emissions are routine emissions, whether or not they are permitted doesn't matter. You are required to report all emissions in the inventory.

If you receive an error that says the Total TAP VOC exceeds the Total VOC for an Emissions Path, follow these steps to find the source of the error:

1. Check the spreadsheet on the ERIC website that lists VOC TAPs to find which TAPs are VOCs and which are not.
2. Check to make sure each path for each VOC TAP and the corresponding Total VOC has the same Source ID, Release Point ID, Process ID, and/or Control System ID.
3. Make sure each path for each TAP VOC and the corresponding Total VOC has the same Emission Type.
4. Do not truncate the Total VOC tons when converting from pounds to tons.
5. Contact LDEQ (see [Section 1.3](#)) if you are still receiving the error after going through these steps to resolve the error.

Appendix A – ERIC Validation Rules

This appendix contains details on all of the validation rules that are included in ERIC.

A.1 Detailed Listing of Validation Rules

[Table A-1](#) lists all of the validation rules that are in the ERIC program; the columns in the table provide the following details:

Group.....data element group that the validation applies to
Namedata field name(s) that the validation applies to
Onscreen.....lists validation types included in the onscreen form editor
Excel.....lists validation types included in the Excel upload processor
Submittallists validation types included in the pre-submittal processor
Skip?indicates status codes for which the validation rule is skipped
Typelists whether the validation rule produces an ERROR or a WARNING
Configurable?indicates whether the validation rule can be turn off for prior year submittals (> 4 years prior)
Notesprovides details and notes for the validation rule if required

The codes used in the Onscreen, Excel, and Submittal columns have the following meanings:

REQ.....the field is required and must be populated with a value in the inventory
CND.....the field may be required, the conditions under which it is required are provided in the notes column
TPOthe field must be populated in TEMPO
VAL.....the field (if populated) must contain a valid code (the valid values list sources are provided in Section 5).
ACT.....the code provided must be currently active (in TEMPO, older reference list codes can be made inactive – you must replace these codes with a currently active code)
RNG.....the field (if populated) must contain a value within a valid range; the valid range is provided in the notes column
OTH.....the validation rule is a custom rule that does not fit the categories above, details are provided in the notes column

In many cases, a field may have a range validation but no required validation. This means that the field may be left blank, but if it is populated the value provided must meet the valid range requirement.

The codes used in the Skip? column have the following meanings:

IDskip the validation if the associated item is in IDLE status

SD.....skip the validation if the associated item is in Permanently Shutdown status

NOTE – THE SKIP? COLUMN ONLY APPLIES TO THE PRE-SUBMITTAL VALIDATIONS. ONSCREEN AND EXCEL
VALIDATIONS ARE NOT SKIPPED BASED ON THE ITEM STATUS

The codes used in the Configurable? column have the following meanings:

Othe onscreen validation is configurable

Ethe Excel upload validation is configurable

Sthe pre-submittal validation is configurable

To avoid repetition, validation rules that check the maximum length of text columns listed in Section 5 are not listed with the exception of certain length checks that are less than the maximum length of the corresponding database field. The other length checks are non-configurable and are always applied to avoid errors when inserting data into the ERIC database.

A.2 Configuring Validation Rules for Prior Year Inventories

Validation rules that are marked as configurable have a corresponding entry (or entries) in the VALIDATIONS_CONFIG table in the ERIC database. Each rule can have up to three entries – one each for the Onscreen, Excel, and Submittal validation stages. The VALIDATIONS_CONFIG table includes the following columns:

VALIDATION_NAME

This is the database entry name for the validation rule. Names are prefixed to indicate the validation type – OS_ means onscreen, EX_ means Excel upload validation, all other prefixes refer to the submittal validation. Within those validation entries, RF_ indicates a required field validation rule; all other prefixes refer to the data element group (e.g., SRC_ refers to a validation rule on a field in the Source group).

INCLUDE_FLAG

This field contains either a Y or a N. Y (the default value) means that the validation rule WILL BE APPLIED to prior year inventories (> 4 years old). A value of N means that the validation rule will NOT be applied to inventories more than 4 years prior to the current reporting year.

DESCRIPTION

A narrative description of the validation rule.

SORT_ORDER

Used to sort the entries in the table for ease of reading.

Determining Which Validation Rules Are Applied

All inventory submittals for the current reporting year and the four preceding years (new inventories and revisions) are subjected to ALL validation rules regardless of the VALIDATIONS_CONFIG table settings.

All inventory submittals for reporting years five or more years prior to the current reporting year are subjected to a PARTIAL list of validations. The partial list of validations includes all non-configurable validations PLUS all configurable validations where the INCLUDE_FLAG is set to Y in the VALIDATIONS_CONFIG table.

The converse way to view this is that the PARTIAL list ONLY EXCLUDES validations where the INCLUDE_FLAG is set to N in the VALIDATIONS_CONFIG table.

Whether the full set of validations or the partial list is being applied, certain rules may be skipped based on the status of the associated item. For example, if a Source is Permanently Shutdown, most of the validation rules are skipped for that source. If a Process is Idle, then the Required validator for Process Description is skipped.

Determining Which Fields Are Validated

For new inventory submittals for any reporting year, all data fields are validated. For revisions prior to the current reporting year, only the data fields that have changed since the original submittal are validated – with certain exceptions. In some cases, the description of the validation rule includes the phrase “NOT DEPENDENT ON DATA CHANGES”. These validation rules are applied to the associated inventory data fields whether or not they changed since the original submittal. These rules are:

- If an emissions path has PM25 emissions, it must also have PM10 emissions
- Total PM25 emissions must be less than or equal to PM10 emissions
- All pollutants that have emission factors specified must also have emissions reported
- All control systems that are referenced on emissions records must have control efficiency records for the specified pollutants
- All pollutants for which control efficiencies are reported must have emissions reported as well

- For CRITERIA and CRITERIA AND TOXIC inventories, the total TAPVOC emissions must be less than or equal to the total VOC emissions
- For CRITERIA and CRITERIA AND TOXIC inventories, the total TAPVOC emissions for each emissions path must be less than or equal to the total VOC emissions
- The calculated distance from the facility front gate for each release point must be less than or equal to the account specific limit or the default limit if no limit for the account is specified
- If control efficiency is reported for PM25, then a control efficiency for PM10 must also be reported for the same control system and the PM25 efficiency must be less than or equal to the PM10 efficiency

Table A-1 - Validation Rules

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
1	1	Inventory	Status			OTH		ERROR		Cannot submit if earlier revision is in editing status
1	2	Inventory	Facility Owner Dates			OTH		ERROR	S	Owner dates in tempo must overlap inventory reporting period dates
1	3	Inventory	PM2.5 and PM10 Emissions			OTH		ERROR	S	If an emissions path has PM2.5 emissions, it must also have PM10 emissions - NOT DEPENDENT ON DATA CHANGES
1	4	Inventory	PM2.5 and PM10 Emissions			OTH		ERROR	S	Total PM2.5 emissions must be less than or equal to PM10 emissions - NOT DEPENDENT ON DATA CHANGES
1	5	Inventory	Emissions			OTH		ERROR	S	All pollutants that have emission factors specified must also have emissions reported - NOT DEPENDENT ON DATA CHANGES

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
1	6	Inventory	Control Efficiencies			OTH		ERROR	S	All control systems that are referenced on emissions records must have control efficiency records for the specified pollutants - NOT DEPENDENT ON DATA CHANGES
1	7	Inventory	Control Efficiencies			OTH		ERROR	S	All pollutants for which control efficiencies are reported must have emissions reported as well - NOT DEPENDENT ON DATA CHANGES
1	8	Inventory	Total TAPVOC Emissions			OTH		ERROR	S	For CRITERIA and CRITERIA AND TOXIC inventories, the total TAPVOC emissions must be less than or equal to the total VOC emissions (within a tolerance of 25 lb) - NOT DEPENDENT ON DATA CHANGES

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
1	9	Inventory	Total TAPVOC Emissions by Emissions Path			OTH		ERROR	S	For CRITERIA and CRITERIA AND TOXIC inventories, the total TAPVOC emissions for each emissions path must be less than or equal to the total VOC emissions (within a tolerance of 25 lb) - NOT DEPENDENT ON DATA CHANGES
1	10	Inventory	Release Point Coordinates			OTH		ERROR	S	The calculated distance from the facility front gate for each release point must be less than or equal to the account specific limit or the default limit if no limit for the account is specified - NOT DEPENDENT ON DATA CHANGES
1	11	Inventory	Pollutants by Inventory Type			OTH		ERROR		If the inventory type is Criteria, no toxic pollutants may be reported (except Ammonia). If the inventory type is Toxic, no criteria

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										pollutants may be reported.
2	1	Facility	Name			TPO		ERROR	S	
2	2	Facility	Owner Name			TPO		ERROR		
2	3	Facility	Owner Address Line 1			TPO		ERROR		
2	4	Facility	Owner City			TPO		ERROR		
2	5	Facility	Owner State			TPO		ERROR		
2	6	Facility	Owner Zipcode			TPO		ERROR		
2	7	Facility	Owner Phone Number			TPO		ERROR		
2	8	Facility	Description			REQ		ERROR	S	
2	9	Facility	Description	OTH		OTH		ERROR	S	Facility description must be 100 characters or less
2	10	Facility	Status			REQ		ERROR	S	
2	11	Facility	Status			VAL		ERROR	S	
2	12	Facility	Status			ACT		ERROR	S	
2	13	Facility	Address Line 1			TPO		ERROR	S	
2	14	Facility	City			TPO		ERROR	S	
2	15	Facility	Parish			TPO		ERROR	S	
2	16	Facility	Parish			VAL		ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
2	17	Facility	Parish			ACT		ERROR	S	
2	18	Facility	State			TPO		ERROR	S	
2	19	Facility	Zipcode			TPO		ERROR	S	
2	20	Facility	Primary SIC Code			TPO		ERROR	S	
2	21	Facility	Primary NAICS Code			TPO		ERROR	S	
2	22	Facility	Comments	OTH		OTH		ERROR	S	Facility comments must be 1000 characters or less
2	23	Facility	Coordinates			TPO		ERROR	S	Either latitude/longitude or UTM coordinates must be populated in TEMPO
2	24	Facility	UTM Easting			TPO		ERROR	S	
2	25	Facility	UTM Easting	RNG		RNG		ERROR	S	Front gate UTM easting in TEMPO must be between 400000.0 and 800000.0 for UTM zone 15, 200000.0 and 350000.0 for UTM zone 16
2	26	Facility	UTM Northing			TPO		ERROR	S	
2	27	Facility	UTM Northing	RNG		RNG		ERROR	S	Front gate UTM northing in TEMPO must be between 3200000.0 and 3655000.0 for UTM zone 15, 3200000.0 and 3435000.0

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										for UTM zone 16
2	28	Facility	UTM Zone			TPO		ERROR	S	
2	29	Facility	Latitude	RNG		RNG		ERROR	S	Front gate latitude in TEMPO must be between 28.0 and 33.1
2	30	Facility	Longitude	RNG		RNG		ERROR	S	Front gate longitude in TEMPO must be between - 94.1 and -88.5
2	31	Facility	Datum			REQ		ERROR	S	Datum is required
2	32	Facility	Datum	CND				ERROR		Datum is required if coordinates are populated in TEMPO
2	33	Facility	Datum			TPO		ERROR		
2	34	Facility	Sources			OTH		ERROR	S	If facility status is active, there must be at least one source defined
2	35	Facility	Sources			OTH		ERROR	S	If facility status is permitted but not built, there can be no sources defined
2	36	Facility	Sources			OTH		ERROR		If facility status is Permanently shut down, all

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										sources must be Idle or Permanently shutdown
2	37	Facility	Processes			OTH		ERROR	S	If facility status is active, there must be at least one process defined
2	38	Facility	Processes			OTH		ERROR	S	If facility status is permitted but not built, there can be no processes defined
2	39	Facility	Release Points			OTH		ERROR	S	If facility status is active, there must be at least one release point defined
2	40	Facility	Release Points			OTH		ERROR	S	If facility status is permitted but not built, there can be no release points defined
2	41	Facility	Emissions			OTH		ERROR	S	If facility status is active, the annual emissions cannot be zero
2	42	Facility	Emissions			OTH		ERROR	S	If facility status is permitted but not built, any emission records must report zero emissions

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
2	43	Facility	Emissions			OTH		ERROR		If facility status is Permanently shut down, any emissions records reported must have zero emissions (annual and ozone season)
2	44	Facility	Total Annual Emissions			RNG		WARN ING	S	Total annual emissions of all pollutants for the facility should not exceed 800000 tons
2	45	Facility	Total Ozone Season Emissions			RNG		WARN ING	S	Total ozone season emissions of all pollutants for the facility should not exceed 800000 tons
2	46	Facility	Total HRVOC Emissions			OTH		WARN ING	S	Total HRVOC emissions for the facility should not exceed total VOC emissions for the facility (within a tolerance of 0.0125 tons)
3	1	Contacts	Contact Type			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required.

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
3	2	Contacts	Contact Type		VAL			ERROR		
3	3	Contacts	First Name			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note - configuration only applies to other contact types.
3	4	Contacts	Last Name			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note - configuration only applies to other contact types.
3	5	Contacts	Title			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note - configuration only applies to other contact types.
3	6	Contacts	Company			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note -

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										configuration only applies to other contact types.
3	7	Contacts	Address Line 1			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note - configuration only applies to other contact types.
3	8	Contacts	City			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note - configuration only applies to other contact types.
3	9	Contacts	State			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note - configuration only applies to other contact types.
3	10	Contacts	State		VAL			ERROR		
3	11	Contacts	State		ACT			WARN		

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
								ING		
3	12	Contacts	Zipcode			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note - configuration only applies to other contact types.
3	13	Contacts	Email			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note - configuration only applies to other contact types.
3	14	Contacts	Phone Number			CND		ERROR	S	For inventory and billing contact, must be populated in TEMPO. For other contacts, required. Note - configuration only applies to other contact types.
3	15	Contacts	Emissions Inventory Contact			OTH		ERROR		Must be at least one emissions inventory contact specified
3	16	Contacts	Billing Contact			OTH		ERROR		Must be exactly one billing

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										contact specified
3	17	Contacts	Contacts	OTH		OTH		ERROR		Emission Inventory Contacts cannot also be listed as Emission Inventory Consultant contacts (based on First Name, Last Name, City, and State)
4	1	Sources	Source ID	REQ		REQ	SD	ERROR	S	
4	2	Sources	Source ID		REQ		SD	SKIPPED		If the Source ID column is empty, the Excel importer will skip the entire row
4	3	Sources	Subject Item ID			REQ	SD	ERROR		Subject item id is required - it cannot be blank but it can be entered as "NOT LISTED"
4	4	Sources	Subject Item ID			OTH	SD	WARNING	S	Source should not be associated with a subject item whose description contains the word 'CAP'
4	5	Sources	Subject Item ID			VAL	SD	ERROR	S	Subject item id must be valid or "NOT LISTED"
4	6	Sources	Description			REQ	SD	ERROR	S	
4	7	Sources	Description	OTH		OTH	SD	ERROR	S	Source description must be 100 characters or less

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	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
4	8	Sources	Description			OTH	SD	WARN ING	S	Source description should not contain the word 'CAP'
4	9	Sources	Description			OTH	SD	ERROR	S	Source description cannot be 'NEDS POINT XX'
4	10	Sources	Description			OTH	SD	WARN ING	S	Source description should not contain 'NEDS POINT'
4	11	Sources	Description			OTH	SD	ERROR	S	Source description cannot be 'TEDI EMISSIONS FOR SIC XXXX'
4	12	Sources	Description			OTH	SD	WARN ING	S	Source description should not contain 'TEDI EMISSIONS FOR SIC'
4	13	Sources	Source Type			REQ	SD	ERROR	S	
4	14	Sources	Source Type		VAL	VAL	SD	ERROR	S	
4	15	Sources	Source Type		ACT		SD	WARN ING		
4	16	Sources	Source Type			ACT	SD	ERROR	S	
4	17	Sources	Permit Number			VAL	SD	ERROR	S	
4	18	Sources	Status			REQ	SD	ERROR	S	
4	19	Sources	Status		VAL	VAL	SD	ERROR	S	
4	20	Sources	Status		ACT		SD	WARN ING		

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
4	21	Sources	Status			ACT	SD	ERROR	S	
4	22	Sources	Status	CND	CND	CND	SD	ERROR	O, E, S	Status must be permanently shutdown if permanent shutdown date is provided; if not then status cannot be permanently shutdown
4	23	Sources	Shutdown Date	CND	CND	CND	SD	ERROR	O, E, S	Shutdown date required if status is permanently shutdown; if not then shutdown date must be empty
4	24	Sources	SIC Code			REQ	SD	ERROR	S	
4	25	Sources	SIC Code	VAL	VAL	VAL	SD	ERROR	S	
4	26	Sources	SIC Code		ACT		SD	WARNING		
4	27	Sources	SIC Code			ACT	SD	ERROR	S	
4	28	Sources	NAICS Code	VAL	VAL	VAL	SD	ERROR	S	
4	29	Sources	NAICS Code		ACT		SD	WARNING		
4	30	Sources	NAICS Code			ACT	SD	ERROR	S	
4	31	Sources	MACT Code	VAL	VAL	VAL	SD	ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
4	32	Sources	MACT Code		ACT		SD	WARN ING		
4	33	Sources	MACT Code			ACT	SD	ERROR	S	
4	34	Sources	MACT Status	VAL	VAL	VAL	SD	ERROR	S	
4	35	Sources	MACT Status		ACT		SD	WARN ING		
4	36	Sources	MACT Status			ACT	SD	ERROR	S	
4	37	Sources	Comments	OTH	OTH	OTH	SD	ERROR		Source comments must be 1000 characters or less
4	38	Sources	Maximum Design Rate			CND	SD	WARN ING	S	Maximum design rate is desired if Source Type is Boiler, Furnace, Glycol dehydration reboiler, Heater, Line heater, Oven, or FCCU catalyst regenerator
4	39	Sources	Maximum Design Rate	RNG	RNG	RNG	SD	ERROR	S	Design rate must be between 0.01 and 100000000.0
4	40	Sources	Maximum Design Rate Units	CND		CND	SD	ERROR	S	Design rate units must be provided if design rate is specified

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
4	41	Sources	Maximum Design Rate Units			CND	SD	ERROR	S	Design rate units cannot be specified if design rate is not provided
4	42	Sources	Maximum Design Rate Units		VAL	VAL	SD	ERROR	S	
4	43	Sources	Maximum Design Rate Units		ACT		SD	WARNING		
4	44	Sources	Maximum Design Rate Units			ACT	SD	ERROR	S	
4	45	Sources	Engine Rating			CND	SD	WARNING	S	Engine rating is desired if Source Type is Internal combustion engine
4	46	Sources	Engine Rating	RNG	RNG	RNG	SD	ERROR	S	Engine rating must be between 0.01 and 100000000.0
4	47	Sources	Engine Rating Units	CND		CND	SD	ERROR	S	Engine rating units must be provided if engine rating is specified
4	48	Sources	Engine Rating Units			CND	SD	ERROR	S	Engine rating units cannot be specified if engine rating is not provided
4	49	Sources	Engine Rating Units		VAL	VAL	SD	ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
4	50	Sources	Engine Rating Units		ACT		SD	WARN ING		
4	51	Sources	Engine Rating Units			ACT	SD	ERROR	S	
4	52	Sources	Firing Type		VAL	VAL	SD	ERROR	S	
4	53	Sources	Firing Type		ACT		SD	WARN ING		
4	54	Sources	Firing Type			ACT	SD	ERROR	S	
4	55	Sources	Nameplate Capacity			CND	SD	WARN ING	S	Nameplate capacity is desired if Source Type is Turbine
4	56	Sources	Nameplate Capacity	RNG	RNG	RNG	SD	ERROR	S	Nameplate capacity must be between 0.01 and 100000000.0
4	57	Sources	Nameplate Capacity Units	CND		CND	SD	ERROR	S	Nameplate capacity units must be provided if nameplate capacity is specified
4	58	Sources	Nameplate Capacity Units			CND	SD	ERROR	S	Nameplate capacity units cannot be specified if nameplate capacity is not provided
4	59	Sources	Nameplate		VAL	VAL	SD	ERROR	S	

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	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
			Capacity Units							
4	60	Sources	Nameplate Capacity Units		ACT		SD	WARNING		
4	61	Sources	Nameplate Capacity Units			ACT	SD	ERROR	S	
4	62	Sources	Processes			OTH	SD	ERROR	S	If source status is active, process id is required unless source type is Fugitive Emissions, GC XVII Emissions, or Insignificant Activities
4	63	Sources	Processes			OTH	SD	ERROR	S	If source status is idle, permitted but not built, permitted and never to be built, not required to report, reported under another source, duplicate, or permanently shutdown, there can be no processes associated with the source
4	64	Sources	Emissions			OTH	SD	WARNING	S	If source status is active, emissions records are expected

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
4	65	Sources	Emissions			OTH	SD	WARNING	S	If source status is active, total emissions for the source are expected to be greater than zero
4	66	Sources	Emissions			OTH	SD	ERROR	S	If source status is idle, permitted but not built, permitted and never to be built, not required to report, reported under another source, duplicate, or permanently shutdown, the total emissions for the source must be zero
4	67	Sources	Processes			OTH		ERROR		If source status is permanently shutdown, there can be no Process records associated with the Source
4	68	Sources	Emissions			OTH		ERROR		If source status is permanently shutdown, there can be no Emissions records associated with the Source

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
5	1	Processes	Process ID	REQ		REQ	ID, SD	ERROR	S	
5	2	Processes	Process ID		REQ			SKIPPE D		If the Process ID column is empty, the Excel importer will skip the entire row
5	3	Processes	Source ID	REQ		REQ	ID, SD	ERROR	S	
5	4	Processes	Source ID		VAL			ERROR		Must be a valid Source in the current inventory
5	5	Processes	Description			REQ	ID, SD	ERROR	S	
5	6	Processes	Description	OTH		OTH		ERROR	S	Process description must be 200 characters or less
5	7	Processes	Description			OTH		ERROR	S	Process description cannot be 'TEDI EMISSIONS FOR SIC XXXX'
5	8	Processes	Description			OTH		WARN ING	S	Process description cannot contain 'TEDI EMISSIONS FOR SIC'
5	9	Processes	Status		OTH	OTH		ERROR		Must be Active, Idle, or Permanently shutdown

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
5	10	Processes	Status	CND		CND		ERROR	O, S	Status must be permanently shutdown if permanent shutdown date is provided; if not then status cannot be permanently shutdown
5	11	Processes	Shutdown Date	CND		CND		ERROR	O, S	Shutdown date required if status is permanently shutdown; if not then shutdown date must be empty
5	12	Processes	Confidentiality Flag			REQ	ID, SD	ERROR	S	
5	13	Processes	SCC Code			REQ	ID, SD	ERROR	S	
5	14	Processes	SCC Code		VAL	VAL		ERROR	S	
5	15	Processes	SCC Code		ACT			WARNING		
5	16	Processes	SCC Code			ACT		ERROR	S	
5	17	Processes	Material Name			REQ	ID, SD	ERROR	S	
5	18	Processes	Annual Average Material			REQ	ID, SD	ERROR	S	

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	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
			Throughput							
5	19	Processes	Annual Average Material Throughput Units			REQ	ID, SD	ERROR	S	
5	20	Processes	Annual Average Material Throughput Units		VAL			ERROR		
5	21	Processes	Annual Average Material Throughput Units		ACT			WARNING		
5	22	Processes	Ozone Season Material Throughput			CND		ERROR	S	Ozone season throughput is required if the facility or portable source is in an ozone parish and the inventory has emissions of one of the ozone season reportable pollutants for this process

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
5	23	Processes	Ozone Season Material Throughput Units			CND		ERROR	S	Ozone season throughput units are required if the facility or portable source is in an ozone parish and the inventory has emissions of one of the ozone season reportable pollutants for this process
5	24	Processes	Ozone Season Material Throughput Units		VAL			ERROR		
5	25	Processes	Ozone Season Material Throughput Units		ACT			WARNING		
5	26	Processes	Annual Average Ash Content	RNG	RNG	RNG		ERROR	O, E, S	Must be between 0.01% and 20.0%
5	27	Processes	Ozone Season Average Ash Content	RNG	RNG	RNG		ERROR	O, E, S	Must be between 0.01% and 20.0%
5	28	Processes	Annual Average Sulfur Content	RNG	RNG	RNG		ERROR	O, E, S	Annual average fuel sulfur content must be between

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	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										0.01% and 10.0%
5	29	Processes	Ozone Season Average Sulfur Content	RNG	RNG	RNG		ERROR	O, E, S	Ozone season average fuel sulfur content must be between 0.01% and 10.0%
5	30	Processes	Annual Average Heat Content			CND		ERROR	S	Annual average fuel heat content is required if SCC code is in list defined in SCC_HEAT_CONTENT table
5	31	Processes	Annual Average Heat Content	RNG	RNG	RNG		ERROR	S	Annual average fuel heat content must be greater than zero if specified
5	32	Processes	Annual Average Heat Content Units			CND		ERROR	S	Annual average heat content units must be provided if annual average heat content is specified
5	33	Processes	Annual Average Heat Content Units			CND		ERROR	S	Annual average heat content units cannot be specified if annual average heat content is not provided
5	34	Processes	Annual Average Heat Content		VAL	VAL		ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
			Units							
5	35	Processes	Annual Average Heat Content Units		ACT			WARNING		
5	36	Processes	Annual Average Heat Content Units			ACT		ERROR	S	
5	37	Processes	Ozone Season Average Heat Content			CND		ERROR	S	Ozone season average fuel heat content is required if SCC code is in list defined in SCC_HEAT_CONTENT table
5	38	Processes	Ozone Season Average Heat Content	RNG	RNG	RNG		ERROR	S	Ozone season average fuel heat content must be greater than zero if provided
5	39	Processes	Ozone Season Average Heat Content Units			CND		ERROR	S	Ozone season heat content units must be provided if ozone season heat content is specified
5	40	Processes	Ozone Season Average Heat Content Units			CND		ERROR	S	Ozone season heat content units cannot be specified if ozone season heat content is not provided

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	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
5	41	Processes	Ozone Season Average Heat Content Units		VAL	VAL		ERROR	S	
5	42	Processes	Ozone Season Average Heat Content Units		ACT			WARNING		
5	43	Processes	Ozone Season Average Heat Content Units			ACT		ERROR	S	
5	44	Processes	Spring Throughput Percentage			REQ	ID, SD	ERROR	S	
5	45	Processes	Spring Throughput Percentage	RNG	RNG	RNG		ERROR		Must be between 0 and 100
5	46	Processes	Summer Throughput Percentage			REQ	ID, SD	ERROR	S	
5	47	Processes	Summer Throughput Percentage	RNG	RNG	RNG		ERROR		Must be between 0 and 100
5	48	Processes	Fall Throughput Percentage			REQ	ID, SD	ERROR	S	

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	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
5	49	Processes	Fall Throughput Percentage	RNG	RNG	RNG		ERROR		Must be between 0 and 100
5	50	Processes	Winter Throughput Percentage			REQ	ID, SD	ERROR	S	
5	51	Processes	Winter Throughput Percentage	RNG	RNG	RNG		ERROR		Must be between 0 and 100
5	52	Processes	Throughputs			OTH		ERROR	S	Seasonal throughput percentages must add to 100% (+/- 1%)
5	53	Processes	Annual Average Operating Hours per Day			REQ	ID, SD	ERROR	S	
5	54	Processes	Annual Average Operating Hours per Day	RNG	RNG	RNG		ERROR	O, E, S	Annual average operating hours per day must be between 1 and 24
5	55	Processes	Annual Average Operating Days per Week			REQ	ID, SD	ERROR	S	
5	56	Processes	Annual Average Operating Days per Week	RNG	RNG	RNG		ERROR	O, E, S	Annual average operating days per week must be between 1 and 7

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	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
5	57	Processes	Annual Average Operating Weeks per Year			REQ	ID, SD	ERROR	S	
5	58	Processes	Annual Average Operating Weeks per Year	RNG	RNG	RNG		ERROR	O, E, S	Annual average operating weeks per year must be between 1 and 52
5	59	Processes	Annual Average Operating Hours			RNG		WARNING	S	Annual average total operating hours is expected to be less than or equal to 8760
5	60	Processes	MACT Code	VAL	VAL	VAL		ERROR	S	
5	61	Processes	MACT Code		ACT			WARNING		
5	62	Processes	MACT Code			ACT		ERROR	S	
5	63	Processes	MACT Status	VAL	VAL	VAL		ERROR	S	
5	64	Processes	MACT Status		ACT			WARNING		
5	65	Processes	MACT Status			ACT		ERROR	S	
5	66	Processes	Emissions			OTH		ERROR	S	If process status is permanently shutdown, no emissions records can be associated with the process
6	1	Emission	Process ID	REQ		REQ		ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Factors								
6	2	Emission Factors	Process ID		VAL			ERROR		
6	3	Emission Factors	Pollutant			REQ		ERROR	S	
6	4	Emission Factors	Pollutant		VAL	VAL		ERROR	S	Pollutant must be valid for the inventory reporting year
6	5	Emission Factors	Pollutant		ACT			WARN ING		Pollutant must be active for the inventory reporting year
6	6	Emission Factors	Pollutant		OTH			WARN ING	S	Ammonia (NH3) as a Criteria pollutant (parameter code 005538) is not considered Active
6	7	Emission Factors	Pollutant			ACT		ERROR	S	Pollutant must be active for the inventory reporting year
6	8	Emission Factors	Pollutant			OTH		ERROR	S	Ammonia (NH3) as a Criteria pollutant (parameter code 005538) is not considered Active
6	9	Emission	Material Name			REQ		ERROR	S	

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Factors								
6	10	Emission Factors	Emission Factor Value			REQ		ERROR	S	
6	11	Emission Factors	Emission Factor Value	RNG		RNG		ERROR	S	Must be greater than zero if provided
6	12	Emission Factors	Emission Factor Numerator Units			REQ		ERROR	S	
6	13	Emission Factors	Emission Factor Numerator Units		VAL			ERROR		
6	14	Emission Factors	Emission Factor Numerator Units		ACT			WARNING		
6	15	Emission Factors	Emission Factor Denominator Units			REQ		ERROR	S	
6	16	Emission Factors	Emission Factor Denominator Units		VAL			ERROR		
6	17	Emission Factors	Emission Factor Denominator Units		ACT			WARNING		
6	18	Emission Factors	Emission Factor Source			REQ		ERROR	S	
6	19	Emission	Emission Factor		VAL	VAL		ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Factors	Source							
6	20	Emission Factors	Emission Factor Source		ACT			WARN ING		
6	21	Emission Factors	Emission Factor Source			ACT		ERROR	S	
7	1	Control Systems	Control System ID	REQ		REQ	ID, SD	ERROR	S	
7	2	Control Systems	Control System ID		REQ			SKIPPE D		If the Control System ID column is empty, the Excel importer will skip the entire row
7	3	Control Systems	Subject Item ID			REQ	ID, SD	ERROR		Subject item id is required - it cannot be blank but it can be entered as "NOT LISTED"
7	4	Control Systems	Subject Item ID			VAL		ERROR	S	Subject item id must be valid or "NOT LISTED"
7	5	Control Systems	Subject Item ID			OTH		WARN ING	S	Control system should not be associated with a subject item whose description contains the word 'CAP'
7	6	Control Systems	Description			REQ	ID, SD	ERROR	S	
7	7	Control	Description	OTH		OTH		ERROR	S	Control system description

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Systems								must be 200 characters or less
7	8	Control Systems	Description			OTH		ERROR	S	Control system description cannot be 'NEDS POINT XX'
7	9	Control Systems	Description			OTH		WARNING	S	Control system description should not contain 'NEDS POINT'
7	10	Control Systems	Description			OTH		ERROR	S	Control system description cannot be 'TEDI EMISSIONS FOR SIC XXXX'
7	11	Control Systems	Description			OTH		WARNING	S	Control system description should not contain 'TEDI EMISSIONS FOR SIC'
7	12	Control Systems	Description			OTH		WARNING	S	Control system description should not contain the word 'CAP'
7	13	Control Systems	Status		OTH	OTH		ERROR		Must be Active, Idle, or Permanently shutdown
7	14	Control Systems	Emissions			OTH		ERROR	S	If control system status is permanently shutdown, no emissions records can be associated with the control system

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
7	15	Control Systems	Control Efficiencies			OTH		ERROR	S	If control system status is permanently shutdown, no control efficiency records can be associated with the control system
7	16	Control Systems	Control Efficiencies			OTH		ERROR	S	If control system status is not permanently shutdown, there must be control efficiencies reported for the control system
7	17	Control Systems	Status	CND		CND		ERROR	O, S	Status must be permanently shutdown if permanent shutdown date is provided; if not then status cannot be permanently shutdown
7	18	Control Systems	Shutdown Date	CND		CND		ERROR	O, S	Shutdown date required if status is permanently shutdown; if not then shutdown date must be empty
7	19	Control Systems	Primary Device Type			REQ	ID, SD	ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
7	20	Control Systems	Primary Device Type		VAL	VAL		ERROR	S	
7	21	Control Systems	Primary Device Type		ACT			WARNING		
7	22	Control Systems	Primary Device Type			ACT		ERROR	S	
7	23	Control Systems	Secondary Device Type		VAL	VAL		ERROR	S	
7	24	Control Systems	Secondary Device Type		ACT			WARNING		
7	25	Control Systems	Secondary Device Type			ACT		ERROR	S	
8	1	Control Efficiencys	Control System ID			REQ		ERROR	S	
8	2	Control Efficiencys	Control System ID		VAL			ERROR		
8	3	Control Efficiencys	Pollutant			REQ		ERROR	S	
8	4	Control Efficiencys	Pollutant		VAL	VAL		ERROR	S	Pollutant must be valid for the inventory reporting

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		S								year
8	5	Control Efficiencys	Pollutant		ACT			WARNING		Pollutant must be active for the inventory reporting year
8	6	Control Efficiencys	Pollutant		OTH			WARNING		Ammonia (NH3) as a Criteria pollutant (parameter code 005538) is not considered Active
8	7	Control Efficiencys	Pollutant			ACT		ERROR	S	Pollutant must be active for the inventory reporting year
8	8	Control Efficiencys	Pollutant			OTH		ERROR		Ammonia (NH3) as a Criteria pollutant (parameter code 005538) is not considered Active
8	9	Control Efficiencys	Primary Efficiency	RNG	RNG	RNG		ERROR	S	Must be between 1.0 and 99.9
8	10	Control Efficiencys	Primary and Secondary Efficiencies			CND		ERROR	S	If a secondary control device type is specified then both primary and secondary efficiencies are required

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
8	11	Control Efficiencys	Secondary Efficiency	RNG	RNG	RNG		ERROR	S	Must be between 1.0 and 99.9
8	12	Control Efficiencys	Total Efficiency			REQ		ERROR	S	
8	13	Control Efficiencys	Total Efficiency	RNG	RNG	RNG		ERROR	S	Must be between 1.0 and 99.9
8	14	Control Efficiencys	Total Efficiency		OTH	OTH		WARNING	S	Reported total efficiency should be within 0.1% of calculated value based on primary and secondary efficiencies
8	15	Control Efficiencys	Total Efficiency		OTH			WARNING		If only primary control efficiency is reported, total efficiency must be equal to primary efficiency
8	16	Control Efficiencys	Total Efficiency			OTH		ERROR	S	If only primary control efficiency is reported, total efficiency must be equal to primary efficiency

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
8	17	Control Efficiencys	PM10 Efficiency			OTH		ERROR	S	If control efficiency is reported for PM2.5, then a control efficiency for PM10 must also be reported for the same control system and the PM2.5 efficiency must be less than or equal to the PM10 efficiency - NOT DEPENDENT ON DATA CHANGES
9	1	Release Points	Release Point ID	REQ		REQ	ID, SD	ERROR	S	
9	2	Release Points	Release Point ID		REQ			SKIPPED		If the Release Point ID column is empty, the Excel importer will skip the entire row
9	3	Release Points	Subject Item ID			REQ	ID, SD	ERROR		Subject item id is required - it cannot be blank but it can be entered as "NOT LISTED"
9	4	Release Points	Subject Item ID			VAL	ID, SD	ERROR	S	Subject item id must be valid or "NOT LISTED"
9	5	Release Points	Subject Item ID			OTH		WARNING	S	Release point should not be associated with a subject

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										item whose description contains the word 'CAP'
9	6	Release Points	Description			REQ	ID, SD	ERROR	S	
9	7	Release Points	Description			OTH		ERROR	S	Description cannot be 'NEDS POINT XX'
9	8	Release Points	Description			OTH		WARNING	S	Description should not contain 'NEDS POINT'
9	9	Release Points	Description			OTH		ERROR	S	Description cannot be 'TEDI EMISSIONS FOR SIC XXXX'
9	10	Release Points	Description			OTH		WARNING	S	Description should not contain 'TEDI EMISSIONS FOR SIC'
9	11	Release Points	Description			OTH		ERROR	S	Release point description should not contain the word 'CAP'
9	12	Release Points	Description	OTH	OTH	OTH		ERROR	O, E, S	Release point description must be 80 characters or less
9	13	Release Points	Release Point Type			REQ	ID, SD	ERROR	S	
9	14	Release Points	Release Point Type		VAL	VAL		ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
9	15	Release Points	Release Point Type		ACT			WARNING		
9	16	Release Points	Release Point Type			ACT		ERROR	S	
9	17	Release Points	Status		OTH	OTH		ERROR		Must be Active, Idle, or Permanently shutdown
9	18	Release Points	Status	CND		CND		ERROR	O, S	Status must be permanently shutdown if permanent shutdown date is provided; if not then status cannot be permanently shutdown
9	19	Release Points	Emissions			OTH		ERROR	S	If release point status is permanently shutdown, no emissions records can be associated with the release point
9	20	Release Points	Shutdown Date	CND		CND		ERROR	O, S	Shutdown date required if status is permanently shutdown; if not then shutdown date must be empty
9	21	Release	Height			CND	ID,	ERROR	S	Height is required for stacks

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Points					SD			and vents
9	22	Release Points	Height			CND	ID, SD	WARNING	S	Height is desired for area/fugitive release points
9	23	Release Points	Height	OTH	OTH	OTH		ERROR	O, E, S	Release point diameter must be less than height for a stack or vent
9	24	Release Points	Height	RNG	RNG	RNG		ERROR	O, E, S	Height must be between 1.0 and 650.0 for stacks/vents, 0 and 200 for area/fugitive release points
9	25	Release Points	Height Units	CND		CND		ERROR	S	Height units must be provided if height is specified
9	26	Release Points	Height Units			CND		ERROR	S	Height units must not be specified is height is not provided
9	27	Release Points	Height Units		VAL	VAL		ERROR	S	
9	28	Release Points	Height Units		ACT			WARNING		
9	29	Release Points	Height Units			ACT		ERROR	S	
9	30	Release	Diameter			CND	ID,	ERROR	S	Required for stacks/vents

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Points					SD			
9	31	Release Points	Diameter	OTH	OTH	OTH		ERROR	O, E, S	Release point diameter must be less than height for a stack or vent
9	32	Release Points	Diameter	RNG	RNG	RNG		ERROR	S	Diameter must be between 0.001 and 300 for stacks/vents
9	33	Release Points	Diameter Units	CND		CND		ERROR	S	Diameter units must be provided if diameter is specified
9	34	Release Points	Diameter Units			CND		ERROR	S	Diameter units must not be specified is diameter is not provided
9	35	Release Points	Diameter Units		VAL	VAL		ERROR	S	
9	36	Release Points	Diameter Units		ACT			WARNING		
9	37	Release Points	Diameter Units			ACT		ERROR	S	
9	38	Release Points	Width			CND	ID, SD	ERROR	S	Required for area/fugitive release points
9	39	Release Points	Width	RNG	RNG	RNG		ERROR	O, E, S	Width for area/fugitive release points must be

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										between 1 and 10000
9	40	Release Points	Width Units	CND		CND		ERROR	S	Width units must be provided if width is specified
9	41	Release Points	Width Units			CND		ERROR	S	Width units must not be specified is width is not provided
9	42	Release Points	Width Units		VAL	VAL		ERROR	S	
9	43	Release Points	Width Units		ACT			WARNING		
9	44	Release Points	Width Units			ACT		ERROR	S	
9	45	Release Points	Length			CND	ID, SD	ERROR	S	Required for area/fugitive release points
9	46	Release Points	Length	RNG	RNG	RNG		ERROR	O, E, S	Length for area/fugitive release points mut be between 1 and 10000
9	47	Release Points	Length Units	CND		CND		ERROR	S	Length units must be provided if length is specified
9	48	Release	Length Units			CND		ERROR	S	Length units must not be

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	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Points								specified is length is not provided
9	49	Release Points	Length Units		VAL	VAL		ERROR	S	
9	50	Release Points	Length Units		ACT			WARNING		
9	51	Release Points	Length Units			ACT		ERROR	S	
9	52	Release Points	Orientation			REQ	ID, SD	ERROR	S	
9	53	Release Points	Orientation	RNG		RNG		ERROR	O, E, S	Orientation for stacks/vents must be less than or equal to 180, less than or equal to 179 for area/fugitive release points
9	54	Release Points	Exit Gas Flow Rate			CND	ID, SD	ERROR	S	Required for stacks/vents
9	55	Release Points	Exit Gas Flow Rate	RNG	RNG	RNG		ERROR	O, E, S	Exit gas flow rate must be between 0.00000001 and 200000.00000000 for stacks/vents, 0.00000000 and 200000.00000000 for area/fugitive release points

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
9	56	Release Points	Exit Gas Flow Rate		OTH	OTH		WARNING	S	Reported flow rate should be within 5% of calculated value based on velocity and diameter
9	57	Release Points	Exit Gas Flow Rate Units	CND		CND		ERROR	S	Flow rate units must be provided if flow rate is specified
9	58	Release Points	Exit Gas Flow Rate Units			CND		ERROR	S	Flow rate units must not be specified is flow rate is not provided
9	59	Release Points	Exit Gas Flow Rate Units		VAL	VAL		ERROR	S	
9	60	Release Points	Exit Gas Flow Rate Units		ACT			WARNING		
9	61	Release Points	Exit Gas Flow Rate Units			ACT		ERROR	S	
9	62	Release Points	Exit Gas Velocity			CND	ID, SD	ERROR	S	Required for stacks/vents
9	63	Release Points	Exit Gas Velocity	RNG	RNG	RNG		ERROR	O, E, S	Exit gas velocity must be between 0.001 and 1000.000 for stacks/vents, 0.000 and 600.000 for area/fugitive release points

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
9	64	Release Points	Exit Gas Velocity Units	CND		CND		ERROR	S	Velocity units must be provided if velocity is specified
9	65	Release Points	Exit Gas Velocity Units			CND		ERROR	S	Velocity units must not be specified is velocity is not provided
9	66	Release Points	Exit Gas Velocity Units		VAL	VAL		ERROR	S	
9	67	Release Points	Exit Gas Velocity Units		ACT			WARNING		
9	68	Release Points	Exit Gas Velocity Units			ACT		ERROR	S	
9	69	Release Points	Diameter, Flow Rate, Velocity			OTH		ERROR	S	If emissions are reported for a stack/vent, then diameter, flow rate, and velocity must be greater than zero
9	70	Release Points	Exit Gas Temperature			CND	ID, SD	ERROR	S	Required for stacks/vents
9	71	Release Points	Exit Gas Temperature	RNG	RNG	RNG		ERROR	O, E, S	Exit gas temperature must be between -30 and 3500
9	72	Release Points	Exit Gas Temperature	CND		CND		ERROR	S	Temperature units must be provided if temperature is

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	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
			Units							specified
9	73	Release Points	Exit Gas Temperature Units			CND		ERROR	S	Temperature units must not be specified is temperature is not provided
9	74	Release Points	Exit Gas Temperature Units		VAL	VAL		ERROR	S	
9	75	Release Points	Exit Gas Temperature Units		ACT			WARNING		
9	76	Release Points	Exit Gas Temperature Units			ACT		ERROR	S	
9	77	Release Points	Moisture Content	RNG				ERROR		Moisture content must be between 0 and 100
9	78	Release Points	Latitude	RNG	RNG	RNG		ERROR	S	Latitude must be between 28.0 and 33.1
9	79	Release Points	Longitude	RNG	RNG	RNG		ERROR	S	Longitude must be between -94.1 and -88.5
9	80	Release Points	UTM Easting			REQ	ID, SD	ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
9	81	Release Points	UTM Easting	RNG	RNG	RNG		ERROR	S	UTM easting must be between 400000.0 and 800000.0 for UTM zone 15, 200000.0 and 350000.0 for UTM zone 16
9	82	Release Points	UTM Northing			REQ	ID, SD	ERROR	S	
9	83	Release Points	UTM Northing	RNG	RNG	RNG		ERROR	S	UTM northing must be between 3200000.0 and 3655000.0 for UTM zone 15, 3200000.0 and 3435000.0 for UTM zone 16
9	84	Release Points	UTM Zone		RNG			ERROR		UTM Zone must be 15 or 16
9	85	Release Points	UTM Zone			REQ	ID, SD	ERROR	S	
9	86	Release Points	Coordinate Datum	REQ		REQ	ID, SD	ERROR	O, S	
9	87	Release Points	Coordinate Datum	OTH				ERROR	O	Coordinates datum must be NAD83
9	88	Release Points	Coordinate Datum		VAL	VAL		ERROR	S	
9	89	Release	Coordinate		ACT			WARN		

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Points	Datum					ING		
9	90	Release Points	Coordinate Datum			ACT		ERROR	S	
9	91	Release Points	Coordinates	OTH	OTH			ERROR	O, E	Coordinates entered in decimal degrees and UTM must match within 0.01 meters
9	92	Release Points	Coordinates			OTH		WARNING	S	Release point should not have unapproved coordinate changes outstanding (warning that all unapproved changes will be lost if inventory is submitted before they are approved)
9	93	Release Points	Coordinates			REQ		ERROR	S	Latitude and longitude are required
9	94	Release Points	Coordinates			OTH		ERROR	S	Coordinates entered in decimal degrees and UTM must match within 0.01 meters
9	95	Release Points	Horizontal Accuracy	RNG	RNG	RNG		ERROR	S	Horizontal accuracy measure must be between

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
			Measure							1.0 and 2000.0
9	96	Release Points	Horizontal Accuracy Measure	CND		REQ	ID, SD	ERROR	O, S	Horizontal accuracy measure must be provided if coordinates are specified
9	97	Release Points	Horizontal Accuracy Units	CND				ERROR	O	Horizontal accuracy units must be provided if coordinates are specified
9	98	Release Points	Horizontal Accuracy Units			CND		ERROR	S	Horizontal accuracy units must be provided if horizontal accuracy is specified
9	99	Release Points	Horizontal Accuracy Units			CND		ERROR	S	Horizontal accuracy units must not be specified is horizontal accuracy is not provided
9	100	Release Points	Horizontal Accuracy Units		VAL	VAL		ERROR	S	
9	101	Release Points	Horizontal Accuracy Units		ACT			WARNING		
9	102	Release Points	Horizontal Accuracy Units			ACT		ERROR	S	
9	103	Release Points	Coordinate Collection	CND		REQ	ID, SD	ERROR	O, S	Required if coordinates are provided

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
			Method							
9	104	Release Points	Coordinate Collection Method		VAL	VAL		ERROR	S	
9	105	Release Points	Coordinate Collection Method		ACT			WARNING		
9	106	Release Points	Coordinate Collection Method			ACT		ERROR	S	
10	1	Portable Source Locations	Location ID	REQ		REQ		ERROR	S	
10	2	Portable Source Locations	Location ID		REQ			SKIPPED		If the Location ID column is empty, the Excel importer will skip the entire row
10	3	Portable Source Locations	Release Point ID	REQ		REQ		ERROR	S	
10	4	Portable Source Locations	Release Point ID		OTH			ERROR		Must be a valid Release Point in the current inventory
10	5	Portable	Start Date			REQ		ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Source Locations								
10	6	Portable Source Locations	End Date			REQ		ERROR	S	
10	7	Portable Source Locations	Start Date and End Date	OTH		OTH		ERROR	O, S	Start and end dates must be within the inventory reporting period
10	8	Portable Source Locations	Start Date and End Date	OTH		OTH		ERROR	O, S	End date must be greater than location start date
10	9	Portable Source Locations	Parish			REQ		ERROR	S	
10	10	Portable Source Locations	Parish		VAL	VAL		ERROR	S	
10	11	Portable Source Locations	Parish		ACT			WARNING		
10	12	Portable Source Locations	Parish			ACT		ERROR	S	

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
10	13	Portable Source Locations	Longitude	RNG	RNG	RNG		ERROR	S	Longitude must be between -94.1 and -88.5
10	14	Portable Source Locations	Latitude	RNG	RNG	RNG		ERROR	S	Latitude must be between 28.0 and 33.1
10	15	Portable Source Locations	UTM Easting			REQ		ERROR	S	
10	16	Portable Source Locations	UTM Easting	RNG	RNG	RNG		ERROR	S	UTM easting must be between 400000.0 and 800000.0 for UTM zone 15, 200000.0 and 350000.0 for UTM zone 16
10	17	Portable Source Locations	UTM Northing			REQ		ERROR	S	
10	18	Portable Source Locations	UTM Northing	RNG	RNG	RNG		ERROR	S	UTM northing must be between 3200000.0 and 3655000.0 for UTM zone 15, 3200000.0 and 3435000.0 for UTM zone 16
10	19	Portable	UTM Zone		RNG			ERROR		UTM Zone must be 15 or 16

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Source Locations								
10	20	Portable Source Locations	UTM Zone			REQ		ERROR	S	
10	21	Portable Source Locations	Coordinate Datum	REQ		REQ		ERROR	O, S	
10	22	Portable Source Locations	Coordinate Datum		VAL	VAL		ERROR	S	
10	23	Portable Source Locations	Coordinate Datum		ACT			WARNING		
10	24	Portable Source Locations	Coordinate Datum			ACT		ERROR	S	
10	25	Portable Source Locations	Coordinate Datum	OTH				ERROR	O	Coordinates datum must be NAD83
10	26	Portable Source Locations	Coordinates	OTH	OTH	OTH		ERROR	O, E, S	Coordinates entered in decimal degrees and UTM must match within 0.01

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										meters
10	27	Portable Source Locations	Coordinates			REQ		ERROR	S	Latitude and longitude are required
10	28	Portable Source Locations	Horizontal Accuracy Measure	RNG	RNG	RNG		ERROR	S	Horizontal accuracy measure must be between 1.0 and 2000.0
10	29	Portable Source Locations	Horizontal Accuracy Measure	CND		REQ		ERROR	O, S	Horizontal accuracy measure must be provided if coordinates are specified
10	30	Portable Source Locations	Horizontal Accuracy Units	CND				ERROR	O	Horizontal accuracy units must be provided if coordinates are specified
10	31	Portable Source Locations	Horizontal Accuracy Units			CND		ERROR	S	Horizontal accuracy units must be provided if horizontal accuracy is specified
10	32	Portable Source Locations	Horizontal Accuracy Units			CND		ERROR	S	Horizontal accuracy units must not be specified is horizontal accuracy is not provided
10	33	Portable	Horizontal		VAL	VAL		ERROR	S	

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
		Source Locations	Accuracy Units							
10	34	Portable Source Locations	Horizontal Accuracy Units		ACT			WARNING		
10	35	Portable Source Locations	Horizontal Accuracy Units			ACT		ERROR	S	
10	36	Portable Source Locations	Coordinate Collection Method	REQ		REQ		ERROR	O, S	
10	37	Portable Source Locations	Coordinate Collection Method		VAL	VAL		ERROR	S	
10	38	Portable Source Locations	Coordinate Collection Method		ACT			WARNING		
10	39	Portable Source Locations	Coordinate Collection Method			ACT		ERROR	S	
11	1	Emissions	Multiple		OTH			SKIPPED		If the Source ID, Process ID, Control System ID, Release Point ID, and Location ID

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										columns are empty, the Excel importer will skip the entire row
11	2	Emissions	Source ID		VAL			ERROR		Must be a valid Source in the current inventory
11	3	Emissions	Source ID			REQ		ERROR	S	
11	4	Emissions	Process Source ID			OTH		ERROR	S	The source id associated with the emissions path process must be the same as the source id on the emissions path
11	5	Emissions	Process ID		VAL			ERROR		Must be a valid Process in the current inventory
11	6	Emissions	Process ID			CND		ERROR	S	Process is required in emissions path if source type is not Fugitive Emissions, GC XVII Emissions, or Insignificant Activities
11	7	Emissions	Control System ID		VAL			ERROR		Must be a valid Control System in the current inventory
11	8	Emissions	Release Point ID		VAL			ERROR		Must be a valid Release

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										Point in the current inventory
11	9	Emissions	Release Point ID			REQ		ERROR	S	
11	10	Emissions	Location Release Point ID			OTH		ERROR	S	The release point id associated with the emissions path portable source location must be the same as the release point id on the emissions path
11	11	Emissions	Location ID		VAL			ERROR		Must be a valid Portable Source Location in the current inventory
11	12	Emissions	Emission Type			REQ		ERROR	S	
11	13	Emissions	Emission Type		VAL	VAL		ERROR	S	
11	14	Emissions	Emission Type		ACT			WARNING		
11	15	Emissions	Emission Type			ACT		ERROR	S	
11	16	Emissions	Pollutant	REQ		REQ		ERROR	S	
11	17	Emissions	Pollutant		VAL	VAL		ERROR	S	Pollutant must be valid for the inventory reporting year
11	18	Emissions	Pollutant		ACT			WARNING		Pollutant must be active for the inventory reporting

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										year
11	19	Emissions	Pollutant		OTH			WARN ING		Ammonia (NH3) as a Criteria pollutant (parameter code 005538) is not considered Active
11	20	Emissions	Pollutant			ACT		ERROR	S	Pollutant must be active for the inventory reporting year
11	21	Emissions	Pollutant			OTH		ERROR	S	Ammonia (NH3) as a Criteria pollutant (parameter code 005538) is not considered Active
11	22	Emissions	Annual Emissions			REQ		ERROR	S	
11	23	Emissions	Annual Emissions Units		OTH			ERROR		Criteria and HRVOC pollutants must be reported in TONS, Toxic pollutants must be reported in LB
11	24	Emissions	Annual Emissions Units			REQ		ERROR	S	
11	25	Emissions	Annual Emissions Units	CND				ERROR		Annual emissions units are required if annual emissions are provided
11	26	Emissions	Annual Emissions			REQ		ERROR	S	

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
			Estimation Method							
11	27	Emissions	Annual Emissions Estimation Method		VAL	VAL		ERROR	S	Annual emissions estimation method must be valid
11	28	Emissions	Annual Emissions Estimation Method		ACT			WARNING		
11	29	Emissions	Annual Emissions Estimation Method			ACT		ERROR	S	Annual emissions estimation method must be active
11	30	Emissions	Ozone Season Average Emissions			CND		ERROR	S	Ozone season emissions are required if the facility or portable source is in an ozone parish and the pollutant is one of the ozone season reportable pollutants
11	31	Emissions	Ozone Season Emissions Units		OTH	OTH		ERROR		Ozone season emissions for all pollutants must be reported in LB/DAY
11	32	Emissions	Ozone Season Emissions Units	CND		CND		ERROR		Ozone season emissions units are required if ozone

Key:	Validations	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	Skip	<i>SD - Permanently Shutdown, ID - Idle</i>								
	Configurable	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
										season emissions are provided
11	33	Emissions	Ozone Season Emissions Estimation Method			CND		ERROR	S	Ozone season emission estimation method is required if the facility or portable source is in an ozone parish and the pollutant is one of the ozone season reportable pollutants
11	34	Emissions	Ozone Season Emissions Estimation Method		VAL	VAL		ERROR	S	
11	35	Emissions	Ozone Season Emissions Estimation Method		ACT			WARNING		
11	36	Emissions	Ozone Season Emissions Estimation Method			ACT		ERROR	S	

Key:	<i>Validations</i>	<i>REQ - required, CND - conditionally required, TPO - must be populated in TEMPO, VAL - must be valid, ACT - must be active, RNG - range check, OTH - other custom validation</i>								
	<i>Skip</i>	<i>SD - Permanently Shutdown, ID - Idle</i>								
	<i>Configurable</i>	<i>O - onscreen, E - excel, S - submittal</i>								
Group Sort	Name Sort	Group	Name	Onscreen	Excel	Submittal	Skip ?	Type	Configurable ?	Notes
11	37	Emissions	Emission Factors			OTH		ERROR	S	If annual emissions estimation method is Emission Factor, then an emission factor must be included in the inventory for the process and pollutant on the emission record
11	38	Emissions	Emission Factors			OTH		ERROR	S	If ozone emissions estimation method is Emission Factor, then an emission factor must be included in the inventory for the process and pollutant on the emission record

Appendix B – ERIC New Inventory Data Extraction (LDEQ only)

Important Note

New inventories in ERIC are now created by copying the ERIC data for the base year selected by the user. In previous years, new ERIC inventories were pulled from TEMPO. ERIC contains an application setting that allows LDEQ to revert to this practice if desired. The document shown in this appendix is the last update to the technical documentation for the data pull from TEMPO. Although it is not currently used in ERIC, the documentation is included in case LDEQ decides to resume pulling TEMPO data in the future.

The technical documentation is attached “as-is” and has not been updated in concert with this version of the ERIC User Manual. The date of the last update to the document is provided in the document itself.

Appendix C – ERIC Scripts for Migrating Data to TEMPO (LDEQ only)

Important Note

This appendix provides technical documentation for a set of Oracle PL/SQL scripts that can be used to transmit emission inventory data from ERIC to TEMPO.

The technical documentation provided in this appendix is presented “as-is” and has not been updated in concert with this version of the ERIC User Manual. The date of the last update to the document is provided in the document itself.

Appendix D – ERIC Data Transmittal to TEMPO (LDEQ Only)

Important Note

This appendix provides technical documentation explaining how ERIC data are stored in TEMPO, including the logic used to assign or create subject items that correspond to the ERIC inventory items (sources, control systems, release points).

The technical documentation provided in this appendix is presented “as-is” and has not been updated in concert with this version of the ERIC User Manual. The date of the last update to the document is provided in the document itself.

Appendix E – ERIC Administrator Manual (LDEQ only)

Important Note

This appendix provides technical documentation on the administrative functions available in ERIC.

The technical documentation provided in this appendix is presented “as-is” and has not been updated in concert with this version of the ERIC User Manual. The date of the last update to the document is provided in the document itself.